



# STIC Search Report

## Biotech-Chem Library

STIC Database Tracking Number: 121388

To: Ruixiang Li  
Location: REM 4D75/4C70  
Art Unit: 1646  
Friday, May 07, 2004

Case Serial Number: 09/727739

From: Beverly Shears  
Location: Remsen Bldg.  
RM 1A54  
Phone: 571-272-2528

beverly.shears@uspto.gov

### Search Notes

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 6, 2004, 16:47:47 ; Search time 65.7425 Seconds  
(without alignments)  
468.645 Million cell updates/sec

Title: US-09-727-739B-15  
Perfect score: 597  
Sequence: 1 MRVSIHCALALLGLALAIC.....PPRRKAGCKNFYWKGFSTSC 111

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1140673 seqs, 277566755 residues

Total number of hits satisfying chosen parameters: 1140673

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep:\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep:\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep:\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep:\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep:\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep:\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep:\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	597	100.0	111	12	US-09-727-739B-15
2	482	80.7	115	12	US-09-727-739B-9
3	450	75.4	86	12	US-09-727-739B-17
4	353.5	59.2	87	12	US-09-727-739B-11
5	205.5	34.4	120	12	US-09-727-739B-38
6	194	32.5	125	12	US-09-727-739B-37
7	179.5	30.1	116	12	US-09-727-739B-45
8	178.5	29.9	114	12	US-09-727-739B-43
9	176.5	29.6	116	12	US-09-727-739B-48
10	176.5	29.6	116	12	US-09-727-739B-49
11	174	29.1	115	12	US-09-727-739B-44
12	164.5	27.6	114	12	US-09-727-739B-3
13	163.5	27.4	116	12	US-09-727-739B-46
14	162.5	27.2	116	12	US-09-727-739B-47
15	160.5	26.9	110	9	US-09-766-396-3

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
	160.5	156.5	147	134	131.5	122	110	107	107	107	105.5	105	105	105	102.5	95	91.5	89	88	87	87	87	87	85.5	83	81.5	81	80.5	80.5	80.5
	26.9	26.2	24.6	22.4	22.0	20.4	18.4	17.9	17.9	17.9	17.9	17.6	17.6	17.6	17.2	15.9	15.3	14.9	14.7	14.6	14.6	14.6	14.6	14.3	13.9	13.7	13.6	13.5	13.5	13.5
	110	114	25	28	121	25	25	26	26	26	28	28	28	28	111	33	103	14	200	112	112	112	112	88	85	506	278	105	105	105
	US-10-062-375-3	US-09-727-739B-41	US-09-727-739B-16	US-09-727-739B-10	US-09-727-739B-42	US-09-727-739B-19	US-09-727-739B-13	US-09-727-739B-4	US-09-727-739B-29	US-09-727-739B-31	US-09-280-030-64	US-09-727-739B-21	US-09-727-739B-32	US-10-416-937-1	US-09-727-739B-39	US-09-727-739B-27	US-09-727-739B-40	US-09-727-739B-2	US-10-101-487-53	US-09-766-396-2	US-10-062-375-2	US-10-335-125-3	US-09-727-739B-5	US-09-766-396-6	US-10-062-375-6	US-10-425-114-51054	US-10-425-114-57204	US-09-766-396-26	US-10-062-375-26	US-10-335-125-2
	Sequence 3, Appli	Sequence 41, Appli	Sequence 16, Appli	Sequence 10, Appli	Sequence 42, Appli	Sequence 19, Appli	Sequence 13, Appli	Sequence 4, Appli	Sequence 29, Appli	Sequence 31, Appli	Sequence 64, Appli	Sequence 21, Appli	Sequence 32, Appli	Sequence 1, Appli	Sequence 39, Appli	Sequence 27, Appli	Sequence 40, Appli	Sequence 2, Appli	Sequence 53, Appli	Sequence 2, Appli	Sequence 2, Appli	Sequence 3, Appli	Sequence 5, Appli	Sequence 6, Appli	Sequence 6, Appli	Sequence 51054, A	Sequence 57204, A	Sequence 26, Appli	Sequence 26, Appli	Sequence 2, Appli

## ALIGNMENTS

RESULT 1  
US-09-727-739B-15  
Sequence 15, Application US/09727739B  
Publication No. US20010025097A1  
GENERAL INFORMATION:  
APPLICANT: Sheridan, Mark  
APPLICANT: Kittilson, Jeffrey  
TITLE OF INVENTION: Somatostatins and Methods  
FILE REFERENCE: 255.00040101  
CURRENT APPLICATION NUMBER: US/09/727,739B  
CURRENT FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: US 60/168,934  
PRIOR FILING DATE: 1999-12-03  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 15  
LENGTH: 111  
TYPE: PRT  
ORGANISM: Oncomorhynchus mykiss  
US-09-727-739B-15

Query Match	100.0%	Score 597	DB 12	Length 111
Best Local Similarity	100.0%	Pred. No. 2e-59		
Matches 111	Conservative 0	Mismatches 0	Indels 0	Gaps 0

QY 1 MRVSIHCALALLGLALAICSGAASQPDLDLASRRLQALAAALPHRSGVSEKRWTFY 60  
DB 1 MRVSIHCALALLGLALAICSGAASQPDLDLASRRLQALAAALPHRSGVSEKRWTFY 60  
QY 61 PNCPCLRMRPRKVKGPQLAKEDLERSVDNLPRRERKAGCKNFYWKGFSTSC 111  
DB 61 PNCPCLRMRPRKVKGPQLAKEDLERSVDNLPRRERKAGCKNFYWKGFSTSC 111

RESULT 2  
US-09-727-739B-9  
Sequence 9, Application US/09727739B



```
/ APPLICANT: Sheridan, Mark
/ APPLICANT: Kittilson, Jeffrey
/ TITLE OF INVENTION: Somatostatins and Methods
/ FILE REFERENCE: 255.00040101
/ CURRENT APPLICATION NUMBER: US/09/727,739B
/ CURRENT FILING DATE: 2000-12-01
/ PRIOR APPLICATION NUMBER: US 60/168,934
/ PRIOR FILING DATE: 1999-12-03
/ NUMBER OF SEQ ID NOS: 52
/ SOFTWARE: Patentin version 3.0
/ SEQ ID NO 37
/ LENGTH: 125
/ TYPE: PRT
/ ORGANISM: Lophius americanus
US-09-727-739B-37
```

```
Query Match          32.5%; Score 194; DB 12; Length 125;
Best Local Similarity 39.3%; Pred. No. 7e-14;
Matches 53; Conservative 11; Mismatches 29; Indels 42; Gaps 6;
```

```
QY 6 IHGALALGLALAI CSQGAASQ-----PDLDLASRR--LIGRALAALPHRSGVSR 55
DB 4 IRCPAILALALVLCGPSVSSQLDREQSDNQDLDLELRQHWLLEKARSAGL-----LSQE 58
QY 56 W-----RTFYPCPLRWRPRKVKGPQLKAKEDERSVD---NLPPRR 96
DB 59 WSKRAVEELLAQMSIPEATFO-----READASMATTEGRMNLERSVDSTNNLPPRR 110
QY 97 KAGCKNFYWKGTSC 111
DB 111 KAGCKNFYWKGTSC 125
```

```
RESULT 7
US-09-727-739B-45
/ Sequence 45, Application US/09727739B
/ Publication No. US20010025097A1
/ GENERAL INFORMATION:
/ APPLICANT: Sheridan, Mark
/ APPLICANT: Kittilson, Jeffrey
/ APPLICANT: Moore, Craig
/ TITLE OF INVENTION: Somatostatins and Methods
/ FILE REFERENCE: 255.00040101
/ CURRENT APPLICATION NUMBER: US/09/727,739B
/ CURRENT FILING DATE: 2000-12-01
/ PRIOR APPLICATION NUMBER: US 60/168,934
/ PRIOR FILING DATE: 1999-12-03
/ NUMBER OF SEQ ID NOS: 52
/ SOFTWARE: Patentin version 3.0
/ SEQ ID NO 45
/ LENGTH: 116
/ TYPE: PRT
/ ORGANISM: Gallus gallus
US-09-727-739B-45
```

```
Query Match          30.1%; Score 179.5; DB 12; Length 116;
Best Local Similarity 39.8%; Pred. No. 2.8e-12;
Matches 49; Conservative 20; Mismatches 27; Indels 27; Gaps 6;
```

```
QY 5 QIHGALALGLALAI CSQGAASQPDLDLASRRLIGRALAALPHRSGVSRWRTFYPC 63
DB 5 RIQCALALALSLAVGTVSAAPSDPRL---RQFLQKSLAA---AGKQELAKYFLAE- 55
QY 64 PCLRWPRKVKGPQLKAKE-----DLERSVDNL P---PRERKAGCKNFYWKGF 108
DB 56 --LISEPQTEENALESEDLRGAEODEVRLLEERSANSNPALAPRERKAGCKNFYWKTF 113
QY 109 TSC 111
DB 114 TSC 116
```

```
RESULT 8
US-09-727-739B-43
/ Sequence 43, Application US/09727739B
/ Publication No. US20010025097A1
/ GENERAL INFORMATION:
/ APPLICANT: Sheridan, Mark
/ APPLICANT: Kittilson, Jeffrey
/ APPLICANT: Moore, Craig
/ TITLE OF INVENTION: Somatostatins and Methods
/ FILE REFERENCE: 255.00040101
/ CURRENT APPLICATION NUMBER: US/09/727,739B
/ CURRENT FILING DATE: 2000-12-01
/ PRIOR APPLICATION NUMBER: US 60/168,934
/ PRIOR FILING DATE: 1999-12-03
/ NUMBER OF SEQ ID NOS: 52
/ SOFTWARE: Patentin version 3.0
/ SEQ ID NO 43
/ LENGTH: 114
/ TYPE: PRT
/ ORGANISM: Carasius auratus
US-09-727-739B-43
```

```
Query Match          29.9%; Score 178.5; DB 12; Length 114;
Best Local Similarity 38.2%; Pred. No. 3.5e-12;
Matches 50; Conservative 15; Mismatches 29; Indels 37; Gaps 5;
```

```
QY 1 MRVSIHCAALALGLALAI CSQGAASQPDLDLASRRLIGRALAALPHRSGVSRWRTFY 60
DB 1 MLSTRIQCALALALSLAVCSVSA---PTDAKLRQLLRSL---NPAKQOE----- 47
QY 61 PNCPLRWRPRKVKGPQLKAK-----EDLERSVDN-----LPPRRKAGC 100
DB 48 ----LARYTLADLSEVLQAENALEPEDLSRAVEKDEVRLLEKRAAGPMLAPRERKAGC 103
QY 101 KNFYWKGTSC 111
DB 104 KNFFWKTF TSC 114
```

```
RESULT 9
US-09-727-739B-48
/ Sequence 48, Application US/09727739B
/ Publication No. US20010025097A1
/ GENERAL INFORMATION:
/ APPLICANT: Sheridan, Mark
/ APPLICANT: Kittilson, Jeffrey
/ APPLICANT: Moore, Craig
/ TITLE OF INVENTION: Somatostatins and Methods
/ FILE REFERENCE: 255.00040101
/ CURRENT APPLICATION NUMBER: US/09/727,739B
/ CURRENT FILING DATE: 2000-12-01
/ PRIOR APPLICATION NUMBER: US 60/168,934
/ PRIOR FILING DATE: 1999-12-03
/ NUMBER OF SEQ ID NOS: 52
/ SOFTWARE: Patentin version 3.0
/ SEQ ID NO 48
/ LENGTH: 116
/ TYPE: PRT
/ ORGANISM: Macaca fascicularis
US-09-727-739B-48
```

```
Query Match          29.6%; Score 176.5; DB 12; Length 116;
Best Local Similarity 38.2%; Pred. No. 6e-12;
Matches 47; Conservative 19; Mismatches 30; Indels 27; Gaps 6;
```

```
QY 5 QIHGALALGLALAI CSQGAASQPDLDLASRRLIGRALAALPHRSGVSRWRTFYPC 63
DB 5 RIQCALALALSLIVLALGCVGAPSDPRL---RQFLQKSLAA---AGKQELAKYFLAE- 55
QY 64 PCLRWPRKVKGPQLKAKE-----DLERSVDNL P---PRERKAGCKNFYWKGF 108
DB 56 --LISEPQTEENDALEPEDLSQAEODEMRLLEQRSANSNPAMAPRERKAGCKNFYWKTF 113
```



QY 109 TSC 111  
Db 114 TSC 116

## RESULT 10

US-09-727-739B-49  
; Sequence 49, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kittilson, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatins and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; PRIOR FILING DATE: 2000-12-01  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 49  
; LENGTH: 116  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-727-739B-49

Query Match 29.6%; Score 176.5; DB 12; Length 116;  
Best Local Similarity 38.2%; Pred. No. 6e-12;  
Matches 47; Conservative 19; Mismatches 30; Indels 27; Gaps 6;

QY 5 QHICALALLGLALAI-CSQGAASQPDLDLASRRLQORALAAALPHRSVSESRWRTFYENC 63  
Db 5 RLQCALALALSTVALGCVTGAPSDPRL---RQFLQKSLAA---AGQELAKYFLAE- 55  
QY 64 PCLRWRPRKVKGPOLKAKE-----DLERSVDNLP---PRERKAGCKNFYWKGF 108  
Db 56 ---LISEPNOTENDALEBEDLSQAABQDEMRLELQRSANSNPAMAPREKAGCKNFYWKTF 113  
QY 109 TSC 111  
Db 114 TSC 116

## RESULT 11

US-09-727-739B-44  
; Sequence 44, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kittilson, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatins and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; PRIOR FILING DATE: 2000-12-01  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 44  
; LENGTH: 115  
; TYPE: PRT  
; ORGANISM: Rana ridibunda  
US-09-727-739B-44

Query Match 29.1%; Score 174; DB 12; Length 115;  
Best Local Similarity 39.4%; Pred. No. 1.1e-11;  
Matches 50; Conservative 17; Mismatches 32; Indels 28; Gaps 6;

QY 1 MRVSIHCALALGLALAI-CSQGAASQPDLDLASRRLQORALAAALPHRSVSESRWRTFY 59  
Db 1 MSCRVCALTLTLALALINSISAAFTDRL---RQFLQKSLASA-----GKQELAKYF 51

QY 60 YPNCPLRWRPRKVKGPOLKAKE-----DLERSVDNLP---PRERKAGCKNFY 104  
Db 52 LAE---LISEPNOTENDALESDDLPRGAEQDEVLELERSANSSPALAPREKAGCKNFY 108  
QY 105 WKFTSC 111  
Db 109 WKFTSC 115

## RESULT 12

US-09-727-739B-3  
; Sequence 3, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kittilson, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatins and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; PRIOR FILING DATE: 2000-12-01  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3  
; LENGTH: 114  
; TYPE: PRT  
; ORGANISM: Oncorhynchus mykiss  
US-09-727-739B-3

Query Match 27.6%; Score 164.5; DB 12; Length 114;  
Best Local Similarity 38.7%; Pred. No. 1.3e-10;  
Matches 48; Conservative 15; Mismatches 38; Indels 23; Gaps 5;

QY 1 MRVSIHCALALGLALAI-CSQGAASQPDLDLASRRLQORALAAALPHRSVSESRWRTFY 60  
Db 1 MLSTRVQCALALSLALALISSVSAPS---DAKLRLQLQSLMAP---AGQELARNTL 53  
QY 61 PNCPLRWRPRKVKGPOLK-----AKEDLERSVDNLP---PRERKAGCKNFYWKGF 107  
Db 54 VE---LISELAHVENEAIELDMSHGVEQEDVDLELAPGPVLAAPREKAGCKNFYWKTF 110  
QY 108 FTSC 111  
Db 111 FTSC 114

## RESULT 13

US-09-727-739B-46  
; Sequence 46, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kittilson, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatins and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; PRIOR FILING DATE: 2000-12-01  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 46  
; LENGTH: 116  
; TYPE: PRT  
; ORGANISM: Rattus norvegicus  
US-09-727-739B-46

Query Match 27.4%; Score 163.5; DB 12; Length 116;  
Best Local Similarity 37.4%; Pred. No. 1.8e-10;

Matches	46; Conservative	19; Mismatches	31; Indels	27; Gaps	6;
Qy	5 QIHCA <del>L</del> AL <del>L</del> GLA <del>L</del> AI <del>C</del> -QGA <del>S</del> Q <del>P</del> DD <del>L</del> AS <del>R</del> RL <del>O</del> RALAA <del>L</del> PH <del>R</del> SGV <del>S</del> ER <del>M</del> RT <del>F</del> YP <del>N</del> C	5	63		
Db	5 RLQCALAA <del>L</del> CIV <del>L</del> ALGGV <del>T</del> GA <del>P</del> SD <del>P</del> RL---RQ <del>F</del> LQKSLAA-----TGKQELAKYFLAE-	5	55		
Qy	64 PCL <del>R</del> WR <del>P</del> RK <del>V</del> KG <del>P</del> Q <del>L</del> KAKE-----DLERSV <del>D</del> NLP---PREKAGCK <del>N</del> FYWK <del>G</del> F	64	108		
Db	56 --LISEP <del>N</del> Q <del>T</del> ENDALIE <del>P</del> EDLPQ <del>A</del> EQ <del>D</del> EM <del>R</del> LELQ <del>R</del> SAN <del>S</del> NPAM <del>A</del> PER <del>R</del> KA <del>G</del> CK <del>N</del> FFW <del>K</del> TF	56	113		
Qy	109 TSC 111				
Db	114 TSC 116				

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RESULT 14
US-09-727-739B-47
; Sequence 47, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatin and Methods
; FILE REFERENCE: 255,00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; PRIORITY FILING DATE: 2000-12-01
; PRIORITY APPLICATION NUMBER: US 60/168,934
; PRIORITY DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 47
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-727-739B-47

```

```

Query Match          27.2%; Score 162.5; DB 12; Length 116;
Best Local Similarity 37.4%; Pred. No. 2.3e-10;
Matches 46; Conservative 19; Mismatches 31; Indels 27; Gaps 6;

QY      QIHCAIALLGLALAI CS-QGAASQPDLIDLASRLLQRALAALPHRGVSEWRRTFY PNC 63
        :|:|||||::||:|||||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db       RLQCALAALSTVLALGVTGTAPSDPRL---RQLQKSLAAA---AGKQELAKYFLAE- 55

QY      64 PCLRWPRPKVKGPQLKAKE-----DLERSVDNLP--PRERRAGCKNFYWKGF 108
        |::|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db       56 --LLSEPNGTEIDALEPEDLSQA AEQDEMRELLQRSANSNPAMAFPRERKAGCKNF FWKTF 113

QY      109 TSC 111
         |||
Db       114 TSC 116
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RESULT 15  
US-09-766-396-3  
; Sequence 3, Application US/09766396  
; Patent No. US20020013456A1  
; GENERAL INFORMATION:  
; APPLICANT: Sutcliffe, Gregor J.  
; de Lecea, Luis  
; Higgins, George R.  
; Henriksen, Steven J.  
; TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES,  
; COMPOSITIONS AND METHODS  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE  
; STREET: 10666 NO. US20020013456A1th Torrey Pines Road, TPC-8  
; CITY: La Jolla  
; STATE: California  
; COUNTRY: US  
; ZIP: 92037

```

: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER : IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent In Release #1.0, Version #1.25
:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/766,396
: FILING DATE: 18-Jan-2001
: CLASSIFICATION: <Unknown>
:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/857,389
: FILING DATE: <Unknown>
:
: ATTORNEY/AGENT INFORMATION:
: NAME: Schmonsees, William
: REGISTRATION NUMBER: 31,796
: REFERENCE/DOCKET NUMBER: 22908-0002
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415) 324-7041
: TELEFAX: (415) 324-0638
:
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 110 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: FRAGMENT TYPE: C-terminal
: SEQUENCE DESCRIPTION: SEQ ID NO: 3:
:
US-09-766-396-3

```

Query Match	26.9%	Score 160.5;	DB 9;	Length 110;
Best Local Similarity	38.3%	Pred. No. 3.6e-10;		
Matches 46;	Conservative 17;	Mismatches 30;	Indels 27;	Gaps 6;

```

QY      8 CALALLGLALAIICS--OGAASQPDILLASRLLORALAALPHRSGVSERWTFYPNCPCL 66
      ||||| : : : : ||||| : : : : : : : : : : : : : : : : : : : :
Db      2 CALAALCIVLALGVTGAPSDPRL----RQLQKSLAAA---TGKQETLAKYFLAE---L 50
      ||||| : : : : ||||| : : : : : : : : : : : : : : : : : : : :
QY      67 RWRPRKYKGPQLKAKE-----DLERSVDNLP---PRERKAGCXNFWYKGFSTSC 111
      | : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      51 LSEPNQJENDALIEPDLLPQAAEQDEMRLQLQRSANSNPAMAPRERKAGCXNFWKFTTSC 110

```

RESULT 16  
US-10-062-375-3  
; Sequence 3, Application US/10062375  
; Publication No. US20020133000A1  
; GENERAL INFORMATION:  
; APPLICANT: Sutcliffe, Gregor J.  
; de Ieccea, Luis  
; Siggins, George R.  
; Henriksen, Steven J.  
; TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES,  
; COMPOSITIONS AND METHODS  
; NUMBER OF SEQUENCES: 26  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE  
; STREET: 10666 No. US20020133000A1th Torrey Pines Road, TPC-8  
; CITY: La Jolla  
; STATE: California  
; COUNTRY: US  
; ZIP: 92037  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/062,375  
; FILING DATE: 30-Jan-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/857,389  
; FILING DATE: <Unknown>

## ATTORNEY/AGENT INFORMATION:

NAME: Schmonsees, William  
REGISTRATION NUMBER: 31,796  
REFERENCE/DOCKET NUMBER: 22908-0002  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 324-7041  
TELEFAX: (415) 324-0638  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 110 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: C-terminal  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-10-062-375-3

Query Match 26.9%; Score 160.5; DB 13; Length 110;  
Best Local Similarity 38.3%; Pred. No. 3.6e-10;  
Matches 46; Conservative 17; Mismatches 30; Indels 27; Gaps 6;

QY 8 CALALLGLAIAICS-QGAASQPDLDLASRRLQRAALPHRSGVSEWRWTFYPCPL 66  
DB 2 CALAALCIVIALGVTGAFSPDRL---RQFLQKSLAA---TGKQELAKYFLAE---L 50  
QY 67 RWRPRKVKGPQLKAKE-----DLERSVDNLP---PRERKAGCKNFYWKGFSTSC 111  
DB 51 LSEPNQTEADLEPEDLPQAAPQDEMRLQLQRSANGNPAMAPRERKAGCKNFWKFTFTSC 110

RESULT 17  
US-09-727-739B-41

; Sequence 41, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kiteilson, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatin and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; CURRENT FILING DATE: 2000-12-01  
; PRIOR APPLICATION NUMBER: US 60/168,934  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 41  
; LENGTH: 114  
; TYPE: PRT  
; ORGANISM: Ictalurus punctatus  
; US-09-727-739B-41

Query Match 26.2%; Score 156.5; DB 12; Length 114;  
Best Local Similarity 31.4%; Pred. No. 1.1e-09;  
Matches 43; Conservative 20; Mismatches 25; Indels 49; Gaps 5;

QY 1 MRVSQIHCAIALGLAIAICS-QGAASQPDLDLASRRLQRAALPHRSGVSEWRWTF 59  
DB 1 MPSTRIQCALALLAVALSVCSGAPS---DAKLQFLQRSILA----- 41  
QY 60 YPNCPCLRWPRKVKGPQLKAK-----EDLERSVDN-----LPPR 94  
DB 42 ---PSVKQELTRYTLAELLAELAENEVLDSDVSRAESEGARLEMERAGPMLAPR 97  
QY 95 ERKAGCKNFYWKGFSTSC 111  
DB 98 ERKAGCKNFWKFTFTSC 114

RESULT 18  
US-09-727-739B-16  
; Sequence 16, Application US/09727739B  
; Publication No. US20010025097A1

## GENERAL INFORMATION:

APPLICANT: Sheridan, Mark  
APPLICANT: Kiteilson, Jeffrey  
APPLICANT: Moore, Craig  
TITLE OF INVENTION: Somatostatin and Methods  
FILE REFERENCE: 255.00040101  
CURRENT APPLICATION NUMBER: US/09/727,739B  
CURRENT FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: US 60/168,934  
PRIOR FILING DATE: 1999-12-03  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 16  
LENGTH: 25  
TYPE: PRT  
ORGANISM: Oncorhynchus mykiss  
US-09-727-739B-16

Query Match 24.6%; Score 147; DB 12; Length 25;  
Best Local Similarity 100.0%; Pred. No. 2e-09;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 87 SYDNLPPRERKAGCKNFYWKGFSTSC 111  
DB 1 SYDNLPPRERKAGCKNFYWKGFSTSC 25

RESULT 19  
US-09-727-739B-10

; Sequence 10, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kiteilson, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatin and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; CURRENT FILING DATE: 2000-12-01  
; PRIOR APPLICATION NUMBER: US 60/168,934  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 10  
; LENGTH: 28  
; TYPE: PRT  
; ORGANISM: Oncorhynchus mykiss  
; US-09-727-739B-10

Query Match 22.4%; Score 134; DB 12; Length 28;  
Best Local Similarity 95.7%; Pred. No. 6.7e-08;  
Matches 22; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 89 DNLPPRERKAGCKNFYWKGFSTSC 111  
DB 6 DNLPPRERKAGCKNFYWKGFSTSC 28

RESULT 20  
US-09-727-739B-42

; Sequence 42, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kiteilson, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatin and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; CURRENT FILING DATE: 2000-12-01  
; PRIOR APPLICATION NUMBER: US 60/168,934  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52





```
RESULT 25
US-09-727-739B-31
; Sequence 31, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatin and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727, 739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168, 934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 31
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Lophius americanus
; US-09-727-739B-31

Query Match          17.9%; Score 107; DB 12; Length 28;
Best Local Similarity 85.7%; Pred. No. 7.5e-05;
Matches 18; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      91 LPPRRKAGCKNFYWKFTSC 111
Db      8 LPPRRKAGCKNFYWKFTSC 28

RESULT 26
US-09-280-030-64
; Sequence 64, Application US/09280030A
; Patent No. US20010021515A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Seiji
; APPLICANT: Higashikuni, Naohiko
; APPLICANT: Kudo, Toshiyuki
; APPLICANT: Kondo, Masaki
; TITLE OF INVENTION: DNA ENCODING NEW FUSION PROTEINS AND PROCESSES FOR
; TITLE OF INVENTION: PREPARING USEFUL POLYPEPTIDES THROUGH EXPRESSION OF THE
; TITLE OF INVENTION: DNAs
; FILE REFERENCE: 382.1026
; CURRENT APPLICATION NUMBER: US/09/280, 030A
; CURRENT FILING DATE: 1999-03-26
; EARLIER APPLICATION NUMBER: JP10-87339/1998
; EARLIER FILING DATE: 1998-03-31
; NUMBER OF SEQ ID NOS: 66
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 64
; LENGTH: 140
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designated is
; OTHER INFORMATION: an amino acid sequence of
; OTHER INFORMATION: MWPMp-MWPMp20-(His)6-EGF-TEV-Somatostatin 28
; US-09-280-030-64

Query Match          17.7%; Score 105.5; DB 9; Length 140;
Best Local Similarity 28.0%; Pred. No. 0.00078;
Matches 42; Conservative 18; Mismatches 35; Indels 55; Gaps 8;

QY      4 SQHICALALLGLAALICSGGA--SQPDLDLASRLQALAAALPHRSGVSEKRTFTYP 61
Db      4 SYLASALALTVAPMFAAEAAATTATPKMDADMKEKTVHH-----HHHNSDSR----- 51

QY      62 NCP-----CL-----RWRPRKVKGPQLK-----AKEDLE 85
Db      52 -CPLSHDGYCLHDGVCMYIEALDKYACNCVVGIGRCQYRDLKMWBLRDYDPTTENLY 110
```

```
QY      86 -RSVDNLP---PRERKAGCKNFYWKFTSC 111
Db      111 FQSANSNPAMAPRERKAGCKNFYWKFTSC 140

RESULT 27
US-09-727-739B-21
; Sequence 21, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatin and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727, 739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168, 934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 21
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-727-739B-21

Query Match          17.6%; Score 105; DB 12; Length 28;
Best Local Similarity 81.0%; Pred. No. 0.00013;
Matches 17; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      91 LPPRRKAGCKNFYWKFTSC 111
Db      8 MAPRRKAGCKNFYWKFTSC 28

RESULT 28
US-09-727-739B-32
; Sequence 32, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatin and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727, 739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168, 934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 32
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Sus scrofa
; US-09-727-739B-32

Query Match          17.6%; Score 105; DB 12; Length 28;
Best Local Similarity 81.0%; Pred. No. 0.00013;
Matches 17; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY      91 LPPRRKAGCKNFYWKFTSC 111
Db      8 MAPRRKAGCKNFYWKFTSC 28

RESULT 29
US-10-416-937-1
; Sequence 1, Application US/10416937
; Publication No. US20040071657A1
; GENERAL INFORMATION:
```

```
APPLICANT: Maliszewski, Charles R.
APPLICANT: Butz, Eric A.
APPLICANT: Galibert, Laurent J.
APPLICANT: Borges, Luis G.
TITLE OF INVENTION: Chemottractant recruitment of dendritic
cells for enhancement of immunization
FILE REFERENCE: IMNX-001
CURRENT APPLICATION NUMBER: US/10/416,937
CURRENT FILING DATE: 2003-09-08
PRIOR APPLICATION NUMBER: PCT/US01/46598
PRIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/249,524
PRIOR FILING DATE: 2000-11-17
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1
LENGTH: 28
TYPE: PRT
ORGANISM: Homo sapiens
US-10-416-937-1
```

```
Query Match 17.6%; Score 105; DB 12; Length 28;
Best Local Similarity 81.0%; Pred. No. 0.00013;
Matches 17; Conservative 2; Mismatches 2; Indels 0; Gaps 0;
```

```
QY 91 LPPRRKAGCKNFYWKGTSC 111
: |||||
DB 8 MAPRRKAGCKNFWKFTTSC 28
```

```
RESULT 30
US-09-727-739B-39
Sequence 39, Application US/09727739B
Publication No. US20010025097A1
GENERAL INFORMATION:
APPLICANT: Sheridan, Mark
APPLICANT: Kittilson, Jeffrey
APPLICANT: Moore, Craig
TITLE OF INVENTION: Somatostatins and Methods
FILE REFERENCE: 255.00040101
CURRENT APPLICATION NUMBER: US/09/727,739B
CURRENT FILING DATE: 2000-12-01
PRIOR APPLICATION NUMBER: US 60/168,934
PRIOR FILING DATE: 1999-12-03
NUMBER OF SEQ ID NOS: 52
SOFTWARE: PatentIn version 3.0
SEQ ID NO 39
LENGTH: 111
TYPE: PRT
ORGANISM: Carassius auratus
US-09-727-739B-39
```

```
Query Match 17.2%; Score 102.5; DB 12; Length 111;
Best Local Similarity 56.1%; Pred. No. 0.0013;
Matches 23; Conservative 4; Mismatches 5; Indels 9; Gaps 2;
```

```
QY 80 AKEDL-----ERSVDN---LPPRRKAGCKNFYWKGTSC 111
: |||||
DB 71 AEPPLERLERAVYNRLSQLPORDRKAPCKNFWKFTTSC 111
```

```
RESULT 31
US-09-727-739B-27
Sequence 27, Application US/09727739B
Publication No. US20010025097A1
GENERAL INFORMATION:
APPLICANT: Sheridan, Mark
APPLICANT: Kittilson, Jeffrey
APPLICANT: Moore, Craig
TITLE OF INVENTION: Somatostatins and Methods
FILE REFERENCE: 255.00040101
CURRENT APPLICATION NUMBER: US/09/727,739B
CURRENT FILING DATE: 2000-12-01
```

```
PRIOR APPLICATION NUMBER: US 60/168,934
PRIOR FILING DATE: 1999-12-03
NUMBER OF SEQ ID NOS: 52
SOFTWARE: PatentIn version 3.0
SEQ ID NO 27
LENGTH: 33
TYPE: PRT
ORGANISM: Myxine glutinosa
US-09-727-739B-27
```

```
Query Match 15.9%; Score 95; DB 12; Length 33;
Best Local Similarity 47.6%; Pred. No. 0.0021;
Matches 20; Conservative 3; Mismatches 7; Indels 12; Gaps 1;
```

```
QY 69 RPRKVGSQLKAKEDLERSVDNLPERRKAGCKNFYWKGTSC 110
: |||||
DB 4 RPRQ-----DQVHEPPGRERKAGCKNFWKFTTSC 33
```

```
RESULT 32
US-09-727-739B-40
Sequence 40, Application US/09727739B
Publication No. US20010025097A1
GENERAL INFORMATION:
APPLICANT: Sheridan, Mark
APPLICANT: Kittilson, Jeffrey
APPLICANT: Moore, Craig
TITLE OF INVENTION: Somatostatins and Methods
FILE REFERENCE: 255.00040101
CURRENT APPLICATION NUMBER: US/09/727,739B
CURRENT FILING DATE: 2000-12-01
PRIOR APPLICATION NUMBER: US 60/168,934
PRIOR FILING DATE: 1999-12-03
NUMBER OF SEQ ID NOS: 52
SOFTWARE: PatentIn version 3.0
SEQ ID NO 40
LENGTH: 103
TYPE: PRT
ORGANISM: Rana ridibunda
US-09-727-739B-40
```

```
Query Match 15.3%; Score 91.5; DB 12; Length 103;
Best Local Similarity 30.9%; Pred. No. 0.021;
Matches 34; Conservative 10; Mismatches 39; Indels 27; Gaps 4;
```

```
QY 15 LALAICSG--AAGP-----DLPLASRLQLRALAALPHRGVSEKRTFYP 61
: |||||
DB 8 LLLLLLAWGARALSGPDNRRITGRNODLNAIQDILLKLSGWTDSRSNIVEERNVP 67
QY 62 NCECLWRPRKVKGPQLKAKEDLERSVDNLPERRKAGCKNFYWKGTSC 111
: |||||
DB 68 DPPEPK-IPPSVKFRLSL-----RERKAPCKNFWKFTTSC 103
```

```
RESULT 33
US-09-727-739B-2
Sequence 2, Application US/09727739B
Publication No. US20010025097A1
GENERAL INFORMATION:
APPLICANT: Sheridan, Mark
APPLICANT: Kittilson, Jeffrey
APPLICANT: Moore, Craig
TITLE OF INVENTION: Somatostatins and Methods
FILE REFERENCE: 255.00040101
CURRENT APPLICATION NUMBER: US/09/727,739B
CURRENT FILING DATE: 2000-12-01
PRIOR APPLICATION NUMBER: US 60/168,934
PRIOR FILING DATE: 1999-12-03
NUMBER OF SEQ ID NOS: 52
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2
LENGTH: 14
TYPE: PRT
```

ORGANISM: Oncohychnus mykiss  
US-09-727-739B-2

Query Match 14.9%; Score 89; DB 12; Length 14;  
Best Local Similarity 100.0%; Pred. No. 0.0035;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 AGCKNFYWKFTSC 111  
DB 1 AGCKNFYWKFTSC 14

## RESULT 34

US-10-101-487-53  
Sequence 53, Application US/10101487  
Publication No. US20020169125A1

## GENERAL INFORMATION:

APPLICANT: LEUNG, DAVID W.

APPLICANT: BERGMAN, PHILIP A.

APPLICANT: LOFOUIT, ALAN

APPLICANT: PIETZ, GREGORY E.

APPLICANT: TOMPKINS, CHRISTOPHER K.

APPLICANT: WAGONER, JR., DAVID W.

TITLE OF INVENTION: RECOMBINANT PRODUCTION OF POLYANIONIC POLYMERS AND USES

TITLE OF INVENTION: THEREOF

FILE REFERENCE: 077319/0329

CURRENT APPLICATION NUMBER: US/10/101,487

CURRENT FILING DATE: 2002-03-20

PRIOR APPLICATION NUMBER: 60/277,705

PRIOR FILING DATE: 2001-03-21

NUMBER OF SEQ ID NOS: 116

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 53

LENGTH: 200

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Synthetic fusion

US-10-101-487-53

Query Match 14.7%; Score 88; DB 13; Length 200;  
Best Local Similarity 48.4%; Pred. No. 0.11;  
Matches 15; Conservative 5; Mismatches 11; Indels 0; Gaps 0;

QY 81 KEDLERSVDNLPPEERKAGCKNFYWKFTSC 111  
DB 170 EEEEEEEEEEEEEEEAGCKNFYWKFTSC 200

## RESULT 35

US-09-766-396-2  
Sequence 2, Application US/09766396

Patent No. US20020013456A1

GENERAL INFORMATION:

APPLICANT: Sutcliffe, Gregor J.

de Lecea, Luis

Siggins, George R.

Henriksen, Steven J.

TITLE OF INVENTION: CORLITATIN: NEUROPEPTIDES,

COMPOSITIONS AND METHODS

NUMBER OF SEQUENCES: 26

CORRESPONDENCE ADDRESS:

ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE

STREET: 10666 No. US20020013456A1th Torrey Pines Road, TPC-8

CITY: La Jolla

STATE: California

COUNTRY: US

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/766,396

FILING DATE: 18-Jan-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/857,389

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Schmonsees, William

REGISTRATION NUMBER: 31,796

REFERENCE/DOCKET NUMBER: 22908-0002

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 324-7041

TELEFAX: (415) 324-0638

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 112 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-09-766-396-2

Query Match 14.6%; Score 87; DB 9; Length 112;  
Best Local Similarity 25.2%; Pred. No. 0.073;  
Matches 30; Conservative 9; Mismatches 42; Indels 38; Gaps 4;

QY 20 CSQGAASQPDLDASRRLLQALAAALPHRSQVSR-----WTF 59  
DB 4 CSTRGRPSALSLLLLLLSGIAASALPLESGPTGQDSVDATGRTGLTFLAWH-- 61

QY 60 YENCPLRWPRRYKG-----POLAKEDLERSVDNLPPEERKAGCKNFYWKFTSC 111  
DB 62 -----EWASQSSSTAPEGTPELSKQ--ERPPLQPPHRDKPKCNFWKFTSSC 111

## RESULT 36

US-10-062-375-2

Sequence 2, Application US/10062375

Publication No. US20020133000A1

GENERAL INFORMATION:

APPLICANT: Sutcliffe, Gregor J.

de Lecea, Luis

Siggins, George R.

Henriksen, Steven J.

TITLE OF INVENTION: CORLITATIN: NEUROPEPTIDES,

COMPOSITIONS AND METHODS

NUMBER OF SEQUENCES: 26

CORRESPONDENCE ADDRESS:

ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE

STREET: 10666 No. US20020133000A1th Torrey Pines Road, TPC-8

CITY: La Jolla

STATE: California

COUNTRY: US

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/062,375

FILING DATE: 30-Jan-2002

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/857,389

FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Schmonsees, William

REGISTRATION NUMBER: 31,796

REFERENCE/DOCKET NUMBER: 22908-0002

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 324-7041  
TELEFAX: (415) 324-0638  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 112 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
US-10-062-375-2

Query Match 14.6%; Score 87; DB 13; Length 112;  
Best Local Similarity 25.2%; Pred. No. 0.073;  
Matches 30; Conservative 9; Mismatches 42; Indels 38; Gaps 4;

QY 20 CSQGAASQPDLDLASRRLQALAAALPHRSVSR-----WRTF 59  
DB 4 CSTRGKRPSALSLILLLSGIAASALPLESGPTGQDSVQDATGGRGTGLTFLAWH-- 61  
QY 60 YPNCPCLRMRPRKVKG-----POLKAKEDLERSVDNLPFRERKAGCINFYWKGFTSC 111  
DB 62 -----EWASQSSSTAPEGGTPELSKRQ--ERPPLQOPPHRDKKPCKNFHWKTSSC 111

RESULT 37  
US-10-335-125-3  
Sequence 3, Application US/10335125  
Publication No. US20030148355A1  
GENERAL INFORMATION:  
APPLICANT: Olsen, Henrik S.  
APPLICANT: Ruben, Steven M.  
TITLE OF INVENTION: CORTISTATIN POLYPEPTIDES  
FILE REFERENCE: 1488.0430003  
CURRENT APPLICATION NUMBER: US/10/335,125  
PRIOR FILING DATE: 2003-01-02  
PRIOR APPLICATION NUMBER: US/09/775,827A  
PRIOR FILING DATE: 2000-11-28  
PRIOR APPLICATION NUMBER: US 09/001,472  
PRIOR FILING DATE: 1997-12-31  
PRIOR APPLICATION NUMBER: US 60/037,386  
PRIOR FILING DATE: 1997-02-07  
PRIOR APPLICATION NUMBER: US 60/033,980  
PRIOR FILING DATE: 1996-12-31  
NUMBER OF SEQ ID NOS: 14  
SOFTWARE: Patentin version 3.0  
SEQ ID NO 3  
LENGTH: 112  
TYPE: PRT  
ORGANISM: Rat Cortistatin  
US-10-335-125-3

Query Match 14.6%; Score 87; DB 14; Length 112;  
Best Local Similarity 25.2%; Pred. No. 0.073;  
Matches 30; Conservative 9; Mismatches 42; Indels 38; Gaps 4;

QY 20 CSQGAASQPDLDLASRRLQALAAALPHRSVSR-----WRTF 59  
DB 4 CSTRGKRPSALSLILLLSGIAASALPLESGPTGQDSVQDATGGRGTGLTFLAWH-- 61  
QY 60 YPNCPCLRMRPRKVKG-----POLKAKEDLERSVDNLPFRERKAGCINFYWKGFTSC 111  
DB 62 -----EWASQSSSTAPEGGTPELSKRQ--ERPPLQOPPHRDKKPCKNFHWKTSSC 111

RESULT 38  
US-09-727-739B-5  
Sequence 5, Application US/09727739B  
Publication No. US20010025097A1  
GENERAL INFORMATION:  
APPLICANT: Sheridan, Mark  
APPLICANT: Kitelson, Jeffrey  
APPLICANT: Moore, Craig  
TITLE OF INVENTION: Somatostatins and Methods

FILE REFERENCE: 255.00040101  
CURRENT APPLICATION NUMBER: US/09/727,739B  
CURRENT FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: US 60/168,934  
PRIOR FILING DATE: 1999-12-03  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: Patentin version 3.0  
SEQ ID NO 5  
LENGTH: 88  
TYPE: PRT  
ORGANISM: Oncorhynchus mykiss  
US-09-727-739B-5

Query Match 14.3%; Score 85.5; DB 12; Length 88;  
Best Local Similarity 52.3%; Pred. No. 0.081;  
Matches 23; Conservative 5; Mismatches 13; Indels 3; Gaps 1;

QY 1 MEVSQIHCAIALIGIALAICSGAASQPDLDLASRRLQALAA 44  
DB 1 MISTRVQCALALISLALAISSVSAPS---DAKLRLQLQSLMA 41

RESULT 39  
US-09-766-396-6  
Sequence 6, Application US/09766396  
Patent No. US20020013456A1  
GENERAL INFORMATION:  
APPLICANT: Sutcliffe, Gregor J.  
de Lecea, Luis  
Siggins, George R.  
Henriksen, Steven J.  
TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES,  
COMPOSITIONS AND METHODS  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESS: THE SCRIPPS RESEARCH INSTITUTE  
STREET: 10666 No. US20020013456A1th Torrey Pines Road, TPC-8  
CITY: La Jolla  
STATE: California  
COUNTRY: US  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/766,396  
FILING DATE: 18-Jan-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/857,389  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Schmonsees, William  
REGISTRATION NUMBER: 31,796  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 324-7041  
TELEFAX: (415) 324-0638  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 85 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: C-terminal  
SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
US-09-766-396-6

Query Match 13.9%; Score 83; DB 9; Length 85;  
Best Local Similarity 44.4%; Pred. No. 0.15;  
Matches 16; Conservative 5; Mismatches 13; Indels 2; Gaps 1;







```

ATTORNEY/AGENT INFORMATION:
NAME: Schmonsees, William
REGISTRATION NUMBER: 31,796
REFERENCE/DOCKET NUMBER: 22908-0002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-7041
TELEFAX: (415) 324-0638
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 110 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: C-terminal
US-08-857-389-3

Query Match 26.9%; Score 160.5; DB 4; Length 110;
Best Local Similarity 38.3%; Pred. No. 1.5e-12;
Matches 46; Conservative 17; Mismatches 30; Indels 27; Gaps 6;

QY 8 CATALGIALAICS-QGAASQPDLDLASRRLQALAAALPHRSGVSEMRRTFYPNCPCL 66
DB 2 CALAALCIYALAGVTGAPSDPRL---RQFLQKSLAA---TKQELAKYFLAE---L 50
QY 67 RWRPRKVKGPOLKAKE-----DLERSVDNLP---PRERKAGCKNFYWKGFSTC 111
DB 51 LSEPNQTDENALEPEDIPOAAEQDEMRELEQRSANSNPAMAPRERKAGCKNFWKTFSTC 110

RESULT 4
US-09-280-030-64
Sequence 64, Application US/09280030A
Patent No. 6506595
GENERAL INFORMATION:
APPLICANT: Sato, Seiji
APPLICANT: Higashikuni, Naohiko
APPLICANT: Kudo, Toshiyuki
APPLICANT: Kondo, Masaaki
TITLE OF INVENTION: DNAS ENCODING NEW FUSION PROTEINS AND PROCESSES FOR THE
TITLE OF INVENTION: PREPARING USEFUL POLYPEPTIDES THROUGH EXPRESSION OF THE
TITLE OF INVENTION: DNAS
FILE REFERENCE: 382.1026
CURRENT APPLICATION NUMBER: US/09/280,030A
CURRENT FILING DATE: 1999-03-26
EARLIER APPLICATION NUMBER: JP10-87339/1998
EARLIER FILING DATE: 1998-03-31
NUMBER OF SEQ ID NOS: 66
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 64
LENGTH: 140
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Designated is
OTHER INFORMATION: an amino acid sequence of
OTHER INFORMATION: MWPs-MWMP20-(His)6-EGF-TEV-Somatostatin 28
US-09-280-030-64

Query Match 17.7%; Score 105.5; DB 4; Length 140;
Best Local Similarity 28.0%; Pred. No. 1.8e-05;
Matches 42; Conservative 18; Mismatches 35; Indels 55; Gaps 8

QY 4 SQICHALALLGLAALICSGAA--SQPDLDLASRRLQALAAALPHRSGVSEMRRTFYP 61
DB 4 SVLASALALTVAPMFAAEBAATTAPKMDADMEKTVHH-----HHHNSDSE----- 51
QY 62 NCP-----CL-----RWRPRKVKGPOLK-----AKEDLE 85
DB 52 -CPLESHDGYCLHDGVCMYIEALDKYACNCVVGVIIGERCQYRDLKMWELRDYDIPPTENLY 110
QY 86 -RSVDNLP---PRERKAGCKNFYWKGFSTC 111
DB 111 FGSANSPAMAPRERKAGCKNFWKTFSTC 140

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```

1      RESULT 5
2      US-08-648-322-2
3      ; Sequence 2, Application US/08648322
4      ; Patent No. 6074872
5      ;
6      ; GENERAL INFORMATION:
7      ; APPLICANT: Sutcliffe, Gregor J.
8      ; APPLICANT: de Lecea, Luis
9      ; TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES,
10     ; TITLE OF INVENTION: COMPOSITIONS AND METHODS
11     ; NUMBER OF SEQUENCES: 24
12     ;
13     ; CORRESPONDENCE ADDRESSES:
14     ; ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE
15     ; STREET: 10666 No. 6074872th Torrey Pines Road, TPC-8
16     ; CITY: La Jolla
17     ; STATE: California
18     ; COUNTRY: US
19     ; ZIP: 92037
20     ;
21     ; COMPUTER READABLE FORM:
22     ; MEDIUM TYPE: Floppy disk
23     ; COMPUTER: IBM PC compatible
24     ; OPERATING SYSTEM: PC-DOS/MS-DOS
25     ; SOFTWARE: Patentin Release #1.0, Version #1.25
26     ; CURRENT APPLICATION DATA:
27     ; APPLICATION NUMBER: US/08/648,322
28     ; FILING DATE:
29     ; CLASSIFICATION: 435
30     ; ATTORNEY/AGENT INFORMATION:
31     ; NAME: Fitting, Thomas
32     ; REGISTRATION NUMBER: 34,163
33     ; REFERENCE/DOCKET NUMBER: 519.0
34     ; TELECOMMUNICATION INFORMATION:
35     ; TELEPHONE: (619) 554-2937
36     ; TELEFAX: (619) 554-6312
37     ; INFORMATION FOR SEQ ID NO: 2:
38     ; SEQUENCE CHARACTERISTICS:
39     ; LENGTH: 112 amino acids
40     ; TYPE: amino acid
41     ; TOPOLOGY: linear
42     ; MOLECULE TYPE: protein
43     ;
44     ; US-08-648-322-2

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```

Query Match          14.6%; Score 87; DB 3; Length 112;
Best Local Similarity 25.2%; Pred. No. 0.0028;
Matches 30; Conservative 9; Mismatches 42; Indels 38; Gaps 4;

Cy 20 CSQGAASQPDLDIASRRLQRAALAPHRSGVSE-----WRTF 59
    ||| | | | | | | | | | | | | | | | | | | | | |
Db 4 CSTRGRKPSALSLLLLLLLSGIAASALPLESGFTGQDSVQDATGRRTGLTFLAWMH-- 61

Cy 60 YPNCPCUWRPFRKVG-----POLKAKEDLERSVDNLPFRERKAGCKNFYWKGTSC 111
    | : | : | : | : | : | : | : | : | : | : | : | : |
Db 62 -----EWASQDSSSTAPEGGTPELSKRQ--ERPPLQQPFHRDKKPCCKNFWKTFSSC 111

RESULT 6
US-09-001-472-3
; Sequence 3, Application US/09001472
; Patent No. 6232100
; GENERAL INFORMATION:
; APPLICANT: OLSEN, HENRIK S.
; APPLICANT: RUBEN, STEVEN M.
; TITLE OF INVENTION: CORTISTATIN POLYPEPTIDES
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 NEW YORK AVENUE, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: US
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
;

```

MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/001,472  
 FILING DATE: Herewith  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 60/033,980  
 FILING DATE: 31-DEC-1996  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 60/037,386  
 FILING DATE: 07-FEB-1997  
 ATTORNEY/AGENT INFORMATION:  
 NAME: STEFFE, ERIC K.  
 REGISTRATION NUMBER: 36,688  
 REFERENCE/DOCKET NUMBER: 1488.0430002  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (202) 371-2600  
 TELEFAX: (202) 371-2540  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 112 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

	Query Match	14.6%	Score 87;	DB 3;	Length 112;	
	Best Local Similarity	25.2%	Pred. No. 0.0028;			
	Matches	30;	Conservative	9;	Mismatches 42;	Indels 38; Gaps 4
QY	20	CSQGAASQPDLDLASRRRLQRALAAALPHRSVGSER-----WRTF	59			
Db	4	CSTRGKRPSALSLILLILLISGLAASALPLESGPTGQDSVQDATGRRRTGLTLFLAWMH--	61			
QY	60	YPNCPCLRWPRKVKG-----PQLKAKEDLERSVDNLPPRRKAGCKNFYWKGFSTC	111			
Db	62	-----EWASQDSSSTAIEGGTPELSKRG--ERPLQGFPHRDKKPKCKNFYWKTFSSC	111			

RESULT 7  
US-08-857-389-2  
Sequence No. 6479642  
Patent No. 6479642  
GENERAL INFORMATION:  
APPLICANT: Sutcliffe, Gregor J.  
APPLICANT: de Leece, Luis  
APPLICANT: Siggins, George R.  
APPLICANT: Henriksen, Steven J.  
TITLE OF INVENTION: CORISTATIN: NEUROPEPTIDES,  
TITLE OF INVENTION: COMPOSITIONS AND METHODS  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE  
STREET: 10666 No. 6479642h Torrey Pines Road, TPC-8  
CITY: La Jolla  
STATE: California  
COUNTRY: US  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/857,389  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Schmonsees, William  
REGISTRATION NUMBER: 31,796



REFERENCE/DOCKET NUMBER: 22908-0002  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 324-7041  
TELEFAX: (415) 324-0638  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 112 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-857-389-2

Query Match 14.6%; Score 87; DB 4; Length 112;  
Best Local Similarity 25.2%; Pred. No. 0.0028;  
Matches 30; Conservative 9; Mismatches 42; Indels 38; Gaps 4;

QY 20 CSQGAASQPDLDLASRLQALAAALPHRSVSR-----WRTF 59  
DB 4 CSTRGRPSALSLLLLSGIAASALPLESGPTGQDSVQDATGRRGTLTFLAWH-- 61  
QY 60 YPNCPLRWPRKVKG-----POLKAKEDLERSVDNLPFRERKAGCKNFYWKGFSC 111  
DB 62 -----EWASQSSSTAPEGTPELSKRQ--ERPPLQOPPHRDKKPCKNFFWKTFSSC 111

RESULT 8  
US-09-775-827A-3  
Sequence 3, Application US/09775827A  
Patent No. 6524826  
GENERAL INFORMATION:  
APPLICANT: Olsen, Henrik S.  
TITLE OF INVENTION: CORTISTATIN POLYPEPTIDES  
FILE REFERENCE: 1488.0430003  
CURRENT APPLICATION NUMBER: US/09/775,827A  
CURRENT FILING DATE: 2000-11-28  
PRIOR APPLICATION NUMBER: US 09/001,472  
PRIOR FILING DATE: 1997-12-31  
PRIOR APPLICATION NUMBER: US 60/037,386  
PRIOR FILING DATE: 1997-02-07  
PRIOR APPLICATION NUMBER: US 60/033,980  
PRIOR FILING DATE: 1996-12-31  
NUMBER OF SEQ ID NOS: 14  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 3  
LENGTH: 112  
TYPE: PRT  
ORGANISM: Rat Cortistatin  
US-09-775-827A-3

Query Match 14.6%; Score 87; DB 4; Length 112;  
Best Local Similarity 25.2%; Pred. No. 0.0028;  
Matches 30; Conservative 9; Mismatches 42; Indels 38; Gaps 4;

QY 20 CSQGAASQPDLDLASRLQALAAALPHRSVSR-----WRTF 59  
DB 4 CSTRGRPSALSLLLLSGIAASALPLESGPTGQDSVQDATGRRGTLTFLAWH-- 61  
QY 60 YPNCPLRWPRKVKG-----POLKAKEDLERSVDNLPFRERKAGCKNFYWKGFSC 111  
DB 62 -----EWASQSSSTAPEGTPELSKRQ--ERPPLQOPPHRDKKPCKNFFWKTFSSC 111

RESULT 9  
US-08-648-322-6  
Sequence 6, Application US/08648322  
Patent No. 6074872  
GENERAL INFORMATION:  
APPLICANT: Sutcliffe, Gregor J.  
APPLICANT: de Leece, Luis  
TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES,  
TITLE OF INVENTION: COMPOSITIONS AND METHODS  
NUMBER OF SEQUENCES: 24

CORRESPONDENCE ADDRESS:  
ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE  
STREET: 10666 No. 6074872th Torrey Pines Road, TPC-8  
CITY: La Jolla  
STATE: California  
COUNTRY: US  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/648,322  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Fitting, Thomas  
REGISTRATION NUMBER: 34,163  
REFERENCE/DOCKET NUMBER: 519.0  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 554-2937  
TELEFAX: (619) 554-6312  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 85 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: C-terminal  
US-08-648-322-6

Query Match 13.9%; Score 83; DB 3; Length 85;  
Best Local Similarity 44.4%; Pred. No. 0.0062;  
Matches 16; Conservative 5; Mismatches 13; Indels 2; Gaps 1;

QY 76 POLKAKEDLERSVDNLPFRERKAGCKNFYWKGFSC 111  
DB 51 PELSKRQ--ERPPLQOPPHRDKKPCKNFFWKTFSSC 84

RESULT 10  
US-08-857-389-6  
Sequence 6, Application US/08857389  
Patent No. 6479642  
GENERAL INFORMATION:  
APPLICANT: Sutcliffe, Gregor J.  
APPLICANT: de Leece, Luis  
APPLICANT: Siggins, George R.  
APPLICANT: Henriksen, Steven J.  
TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES,  
TITLE OF INVENTION: COMPOSITIONS AND METHODS  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE  
STREET: 10666 No. 6479642th Torrey Pines Road, TPC-8  
CITY: La Jolla  
STATE: California  
COUNTRY: US  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/857,389  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Schmonsees, William  
REGISTRATION NUMBER: 31,796  
REFERENCE/DOCKET NUMBER: 22908-0002

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 324-7041  
TELEFAX: (415) 324-0638  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 85 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: C-terminal  
US-08-857-389-6

Query Match 13.9%; Score 83; DB 4; Length 85;  
Best Local Similarity 44.4%; Pred. No. 0.0062;  
Matches 16; Conservative 5; Mismatches 13; Indels 2; Gaps 1;

QY 76 POLKAKEDLERSVDNLP...RERKAGCKNFYWKGF...TSC 111  
DB 51 PELSKRQ--ERPPLQOPPHRDKKPKCKNFYWKGFSSC 84

RESULT 11  
US-09-001-472-2  
Sequence 2, Application US/09001472  
Patent No. 6232100  
GENERAL INFORMATION:  
APPLICANT: OLSEN, HENRIK S.  
APPLICANT: RUBEN, STEVEN M.  
TITLE OF INVENTION: CORTISTATIN POLYPEPTIDES  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
STREET: 1100 NEW YORK AVENUE, SUITE 600  
CITY: WASHINGTON  
STATE: DC  
COUNTRY: US  
ZIP: 20005-3934  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/001,472  
FILING DATE: Herewith  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/033,980  
FILING DATE: 31-DEC-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/037,386  
FILING DATE: 07-FEB-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: STEFFE, ERIC K.  
REGISTRATION NUMBER: 36,688  
REFERENCE/DOCKET NUMBER: 1488.0430002  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 371-2600  
TELEFAX: (202) 371-2540  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 105 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-001-472-2

Query Match 13.5%; Score 80.5; DB 3; Length 105;  
Best Local Similarity 27.7%; Pred. No. 0.017;  
Matches 26; Conservative 12; Mismatches 37; Indels 19; Gaps 4;

QY 37 LIGRALA-AALPHRSVSEKRTFYNCPLR-----WRPKVKGPOL-KAK 81  
DB 11 LLSGATATAALPLEGGPTGRDSEHMQEAGIRKSSLLTFLAWFEWTSQASAGPLIGBEA 70

DB 11 LLSGATATAALPLEGGPTGRDSEHMQEAGIRKSSLLTFLAWFEWTSQASAGPLIGBEA 70  
QY 82 EDLERSVDNLP-----RERKAGCKNFYWKGF...TSC 111  
DB 71 REVARRQEGAPPOQASARRDRMPCRNFWKTFSSC 104

RESULT 12  
US-08-857-389-26  
Sequence 26, Application US/08857389  
Patent No. 6479642  
GENERAL INFORMATION:  
APPLICANT: Sutcliffe, Gregor J.  
APPLICANT: de Leece, Luis  
APPLICANT: Sigging, George R.  
APPLICANT: Henriksen, Steven J.  
TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES,  
TITLE OF INVENTION: COMPOSITIONS AND METHODS  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE  
STREET: 10666 No. 6479642th Torrey Pines Road, TPC-8  
CITY: La Jolla  
STATE: California  
COUNTRY: US  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/857,389  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Schmonsees, William  
REGISTRATION NUMBER: 31,796  
REFERENCE/DOCKET NUMBER: 22908-0002  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 324-7041  
TELEFAX: (415) 324-0638  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 105 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: internal  
US-08-857-389-26

Query Match 13.5%; Score 80.5; DB 4; Length 105;  
Best Local Similarity 27.7%; Pred. No. 0.017;  
Matches 26; Conservative 12; Mismatches 37; Indels 19; Gaps 4;

QY 37 LIGRALA-AALPHRSVSEKRTFYNCPLR-----WRPKVKGPOL-KAK 81  
DB 11 LLSGATATAALPLEGGPTGRDSEHMQEAGIRKSSLLTFLAWFEWTSQASAGPLIGBEA 70  
QY 82 EDLERSVDNLP-----RERKAGCKNFYWKGF...TSC 111  
DB 71 REVARRQEGAPPOQASARRDRMPCRNFWKTFSSC 104

RESULT 13  
US-09-775-827A-2  
Sequence 2, Application US/09775827A  
Patent No. 6524826  
GENERAL INFORMATION:  
APPLICANT: Olsen, Henrik S.

APPLICANT: Ruben, Steven M.  
TITLE OF INVENTION: CORTISTATIN POLYPEPTIDES  
FILE REFERENCE: 1488.0430003  
CURRENT APPLICATION NUMBER: US/09/775,827A  
CURRENT FILING DATE: 2000-11-28  
PRIOR APPLICATION NUMBER: US 09/001,472  
PRIOR FILING DATE: 1997-12-31  
PRIOR APPLICATION NUMBER: US 60/037,386  
PRIOR FILING DATE: 1997-02-07  
PRIOR APPLICATION NUMBER: US 60/033,980  
PRIOR FILING DATE: 1996-12-31  
NUMBER OF SEQ ID NOS: 14  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 2  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Human Cortistatin  
US-09-775-827A-2

Query Match 13.5%; Score 80.5; DB 4; Length 105;  
Best Local Similarity 27.7%; Pred. No. 0.017;  
Matches 26; Conservative 12; Mismatches 37; Indels 19; Gaps 4;  
QY 37 LIQRALA-AALPHRSVSEWRRTFYVNCPLR-----WRPRKVKGPOL-KAK 81  
Db 11 LLSGATATRALPLEGGPTGRDSEHMQEAGIRKSSILTFILAWWFEMTSQASAGPLIGEA 70  
QY 82 EDLERSVDNLP-----RERKAGCKNFYWKGFSTSC 111  
Db 71 REVARRQEGAPPOQSARDRMPCRNFFWKTFSSC 104

RESULT 14  
US-08-648-322-5  
Sequence 5, Application US/08648322  
Patent No. 6074872  
GENERAL INFORMATION:  
APPLICANT: Sutcliffe, Gregor J.  
TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES,  
TITLE OF INVENTION: COMPOSITIONS AND METHODS  
NUMBER OF SEQUENCES: 24  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE  
STREET: 10666 No. 6074872th Torrey Pines Road, TPC-8  
CITY: La Jolla  
STATE: California  
COUNTRY: US  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/648,322  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Fitting, Thomas  
REGISTRATION NUMBER: 34,163  
REFERENCE/DOCKET NUMBER: 519.0  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 554-2937  
TELEFAX: (619) 554-6312  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 109 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-648-322-5

Query Match 13.3%; Score 79.5; DB 3; Length 109;  
Best Local Similarity 31.2%; Pred. No. 0.024;  
Matches 30; Conservative 4; Mismatches 35; Indels 27; Gaps 4;  
QY 37 LIQRALAALPHRSG-----VSEWR-----TFYVNCPLRW-----RPRKVG 75  
Db 19 LMGVAASALPLESGPTGDSVQEATEGRSGILTF-----LAWHEWASQASSSTPVGG 72  
QY 76 POLKAKEDLERSVDNLPREKAGCKNFYWKGFSTSC 111  
Db 73 GTPGSKSQERPPPOQPHLDKPKCNFFWKTFSSC 108

RESULT 15  
US-08-857-389-5  
Sequence 5, Application US/08857389  
Patent No. 6479642  
GENERAL INFORMATION:  
APPLICANT: Sutcliffe, Gregor J.  
APPLICANT: de Lecea, Luis  
APPLICANT: Siggins, George R.  
APPLICANT: Henriksen, Steven J.  
TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES,  
TITLE OF INVENTION: COMPOSITIONS AND METHODS  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE  
STREET: 10666 No. 6479642th Torrey Pines Road, TPC-8  
CITY: La Jolla  
STATE: California  
COUNTRY: US  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/857,389  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Schmonsees, William  
REGISTRATION NUMBER: 31,796  
REFERENCE/DOCKET NUMBER: 22908-0002  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 324-7041  
TELEFAX: (415) 324-0638  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 109 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-857-389-5

Query Match 13.3%; Score 79.5; DB 4; Length 109;  
Best Local Similarity 31.2%; Pred. No. 0.024;  
Matches 30; Conservative 4; Mismatches 35; Indels 27; Gaps 4;  
QY 37 LIQRALAALPHRSG-----VSEWR-----TFYVNCPLRW-----RPRKVG 75  
Db 19 LMGVAASALPLESGPTGDSVQEATEGRSGILTF-----LAWHEWASQASSSTPVGG 72  
QY 76 POLKAKEDLERSVDNLPREKAGCKNFYWKGFSTSC 111  
Db 73 GTPGSKSQERPPPOQPHLDKPKCNFFWKTFSSC 108

RESULT 16  
US-08-648-322-7  
Sequence 7, Application US/08648322  
Patent No. 6074872

```

; GENERAL INFORMATION:
; APPLICANT: Sutcliffe, Gregor J.
; TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES,
; TITLE OF INVENTION: COMPOSITIONS AND METHODS
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE
; STREET: 10666 No. 6074872th Torrey Pines Road, TPC-8
; CITY: La Jolla
; STATE: California
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/648,322
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitting, Thomas
; REGISTRATION NUMBER: 34,163
; REFERENCE/DOCKET NUMBER: 519.0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 554-2937
; TELEFAX: (619) 554-6312
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: C-terminal
; US-08-648-322-7

Query Match 13.1%; Score 78; DB 3; Length 29;
Best Local Similarity 51.9%; Pred. No. 0.0061;
Matches 14; Conservative 2; Mismatches 11; Indels 0; Gaps 0;

QY 85 ERSVDNLPPEKAGCKNFWKGTSC 111
Db 2 ERPPLOQPPHRDKKPCKNFFWKTFSSC 28

RESULT 17
US-08-648-322-11
; Sequence 11, Application US/08648322
; Patent No. 6074872
; GENERAL INFORMATION:
; APPLICANT: Sutcliffe, Gregor J.
; APPLICANT: de Lecea, Luis
; TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES,
; TITLE OF INVENTION: COMPOSITIONS AND METHODS
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE
; STREET: 10666 No. 6074872th Torrey Pines Road, TPC-8
; CITY: La Jolla
; STATE: California
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/648,322
; FILING DATE:
; CLASSIFICATION: 435
```

```

; ATTORNEY/AGENT INFORMATION:
; NAME: Fitting, Thomas
; REGISTRATION NUMBER: 34,163
; REFERENCE/DOCKET NUMBER: 519.0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 554-2937
; TELEFAX: (619) 554-6312
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: C-terminal
; US-08-648-322-11

Query Match 13.1%; Score 78; DB 3; Length 29;
Best Local Similarity 51.9%; Pred. No. 0.0061;
Matches 14; Conservative 2; Mismatches 11; Indels 0; Gaps 0;

QY 85 ERSVDNLPPEKAGCKNFWKGTSC 111
Db 2 ERPPLOQPPHLDKKPCKNFFWKTFSSC 28

RESULT 18
US-08-857-389-7
; Sequence 7, Application US/08857389
; Patent No. 6479642
; GENERAL INFORMATION:
; APPLICANT: Sutcliffe, Gregor J.
; APPLICANT: de Lecea, Luis
; APPLICANT: Siggins, George R.
; APPLICANT: Henriksen, Steven J.
; TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES,
; TITLE OF INVENTION: COMPOSITIONS AND METHODS
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE
; STREET: 10666 No. 6479642th Torrey Pines Road, TPC-8
; CITY: La Jolla
; STATE: California
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/857,389
; FILING DATE:
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Schmonsees, William
; REGISTRATION NUMBER: 31,796
; REFERENCE/DOCKET NUMBER: 22908-0002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-7041
; TELEFAX: (415) 324-0638
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: C-terminal
; US-08-857-389-7

Query Match 13.1%; Score 78; DB 4; Length 29;
Best Local Similarity 51.9%; Pred. No. 0.0061;
Matches 14; Conservative 2; Mismatches 11; Indels 0; Gaps 0;
```



```
QY      85 ERSVDNLPPRRKAGCKNFYWKGFSTC 111
          ||| | | | | : | | |
Db       2 ERPRLLQDPHRDKKPCKNFFWKTFSSC 28
```

RESULT 19  
US-08-857-389-11

; Sequence 11, Application US/08857389  
; Patent No. 6479642

```

; APPLICANT: Sutcliffe, Gregor J.
; APPLICANT: de lecea, Luis
; APPLICANT: Siggins, George R.
; APPLICANT: Henriksen, Steven J.
; TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES
; TITLE OF INVENTION: COMPOSITIONS AND METHODS
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:

```

COMPUTER READABLE FORM:

```

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

```

CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:

TELEPHONE: (415) 324-7041

```

? INFORMATION FOR SEQ ID NO:
?
? SEQUENCE CHARACTERISTICS:
?
? LENGTH: 29 amino acids
?
? TYPE: amino acid
?
? TOPOLOGY: linear
?
? MOLECULE TYPE: protein
?
? FRAGMENT TYPE: C-terminal
?
US-08-857-389-11

```

Query Match	13.1%;	Score 78;	DB 4;	Length 29;
Best Local Similarity	51.9%;	Pred. No. 0.0061;		
Matches 14;	Conservative	2;	Mismatches 11;	Indels 0;
			Gaps	0;

QY 85 ERSVDNLPRERKAGCKNFYWKGFSTC 111  
| | | | | : | | | |  
Db 2 ERPPQGPRLDKKPCKNFFWKTFSSC 28

RESULT 20  
US-08-648-322-10

; Sequence 10, Application US/086483222  
; Patent No. 6074872

APPLICANT: Sutcliffe, Gregor J.  
APPLICANT: de Lecea, Luis  
TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES  
TITLE OF INVENTION: COMPOSITIONS AND METHODS  
NUMBER OF SEQUENCES: 24  
-CORRESPONDENCE ADDRESS:

```

1  COUNTRY:  US
2  ZIP:  92037
3  COMPUTER READABLE FORM:
4  MEDIUM TYPE:  Floppy disk
5  COMPUTER:  IBM PC compatible
6  OPERATING SYSTEM:  PC-DOS/MS-DOS
7  SOFTWARE:  PatentIn Release #1.0, Version #1.25
8  CURRENT APPLICATION DATA:
9  APPLICATION NUMBER:  US/08/648,322
10 FILING DATE:
11 CLASSIFICATION:  435
12 ATTORNEY/AGENT INFORMATION:
13 NAME:  Fitting, Thomas
14 REGISTRATION NUMBER:  34,163
15 REFERENCE/DOCKET NUMBER:  519.0
16 TELECOMMUNICATION INFORMATION:
17 TELEPHONE:  (619) 554-2937
18 TELEFAX:  (619) 554-6312
19 INFORMATION FOR SEQ ID NO:  10:
20 SEQUENCE CHARACTERISTICS:
21     LENGTH:  84 amino acids
22     TYPE:  amino acid
23     TOPOLOGY:  linear
24     MOLECULE TYPE:  protein
25     FRAGMENT TYPE:  C-terminal
26 US-08-648-322-10

```

Query Match	13.1%;	Score 78;	DB 3;	Length 84;
Best Local Similarity	51.9%;	Pred. No. 0.026;		
Matches 14; Conservative	2;	Mismatches 11;	Indels 0;	Gaps 0.

QY 85 ERSVDNLP PRERKAGCKNFYMKFTSC 111  
||| : |||  
DB 57 ERPPQQP RHLDKKPCKNFFWKTFS SC 83

RESULT 21  
US-08-857-389-10

```

; Sequence 10, Application US/08857389
; Patent No. 6479642

```

APPLICANT: Sutcliffe, Gregor J.  
APPLICANT: de lecea, Luis  
APPLICANT: Sjogins, George R.  
APPLICANT: Henriksen, Steven J.  
TITLE OF INVENTION: CORISTATIN: NEUROPEPTIDES  
TITLE OF INVENTION: COMPOSITIONS AND METHODS  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:

COMPUTER READABLE FORM:

```

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; ADDITION NUMBER: ITS/08/857 389

```

CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Schmonsees, William  
REGISTRATION NUMBER: 31,796  
REFERENCE/DOCKET NUMBER: 22908-0002  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 324-7041  
TELEFAX: (415) 324-0638  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:

LENGTH: 84 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: C-terminal  
US-08-857-389-10

Query Match 13.1%; Score 78; DB 4; Length 84;  
Best Local Similarity 51.9%; Pred. No. 0.026;  
Matches 14; Conservative 2; Mismatches 11; Indels 0; Gaps 0;

QY 85 ERSVDNLPFRERKAGCKNFYWKGTSC 111  
DB 57 ERPPQOPPHLDKPKCKNFWKTFSSC 83

## RESULT 22

US-09-775-827A-13  
Sequence 13, Application US/09775827A  
Patent No. 6524826  
GENERAL INFORMATION:  
APPLICANT: Olsen, Henrik S.  
APPLICANT: Ruben, Steven M.  
TITLE OF INVENTION: CORTISTATIN POLYPEPTIDES  
FILE REFERENCE: 1488.0430003  
CURRENT APPLICATION NUMBER: US/09/775,827A  
CURRENT FILING DATE: 2000-11-28  
PRIOR APPLICATION NUMBER: US 09/001,472  
PRIOR FILING DATE: 1997-12-31  
PRIOR APPLICATION NUMBER: US 60/037,386  
PRIOR FILING DATE: 1997-02-07  
PRIOR APPLICATION NUMBER: US 60/033,980  
PRIOR FILING DATE: 1996-12-31  
NUMBER OF SEQ ID NOS: 14  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 13  
LENGTH: 105  
TYPE: PRT  
ORGANISM: Human Cortistatin  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (71)-  
OTHER INFORMATION: Xaa is arginine or lysine  
US-09-775-827A-13

Query Match 13.0%; Score 77.5; DB 4; Length 105;  
Best Local Similarity 27.7%; Pred. No. 0.041;  
Matches 26; Conservative 11; Mismatches 38; Indels 19; Gaps 4;

QY 37 LIGRALA-AALPHRSVSEWRTTFYPCPLR-----WRPKYKGPQL-KAK 81  
DB 11 LLSGATATAALPLEGGPTGRDSEHMOEAAGIRKSSLTFLAWFEWTSQASAGPLIGEEA 70

QY 82 EDLERSVDNLP---RRKAGCKNFYWKGTSC 111  
DB 71 REVARRQEGAPPOQSAARDXMPGKNFFWKTFSSC 104

## RESULT 23

US-08-455-970A-10  
Sequence 10, Application US/08455970A  
Patent No. 5708155  
GENERAL INFORMATION:  
APPLICANT: POTTER, ANDREW A.  
APPLICANT: REDMOND, MARK J.  
APPLICANT: HUGHES, HUI P. A.  
TITLE OF INVENTION: ENHANCED IMMUNOGENICITY USING LEUKOTOXIN  
TITLE OF INVENTION: CHIMERAS  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: REED & ROBINS  
STREET: 285 HAMILTON AVENUE, SUITE 200  
CITY: PALO ALTO

STATE: CALIFORNIA  
COUNTRY: UNITED STATES OF AMERICA  
ZIP: 94301  
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/455,970A  
FILING DATE: 31-MAY-1995

CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/960,932  
FILING DATE: 14-OCT-1992  
ATTORNEY/AGENT INFORMATION:  
NAME: ROBINS, ROBERTA L.  
REGISTRATION NUMBER: 33,208  
REFERENCE/DOCKET NUMBER: 9001-0016.10  
TELEPHONE: (415) 327-3400  
TELEFAX: (415) 327-3231  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 943 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-455-970A-10

Query Match 13.0%; Score 77.5; DB 1; Length 943;  
Best Local Similarity 48.4%; Pred. No. 0.79;  
Matches 15; Conservative 5; Mismatches 8; Indels 3; Gaps 1;

QY 84 LERSVDNLP---PRERKAGCKNFYWKGTSC 111  
DB 913 LDGSLSLQFARGSSSSAGCKNFWKTFSTC 943

## RESULT 24

US-07-977-628A-1  
Sequence 1, Application US/07977628A  
Patent No. 5405597  
GENERAL INFORMATION:  
APPLICANT: Dean, Richard T  
APPLICANT: Butler-James, John  
APPLICANT: Buttram, Scott  
TITLE OF INVENTION: Technetium-99m labeled Somatostatin-  
TITLE OF INVENTION: Derived Peptides for Imaging  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Allegretti & Witcoff, Ltd.  
STREET: 10 South Wacker Drive, Suite 3000  
CITY: Chicago  
STATE: Illinois  
COUNTRY: USA  
ZIP: 60606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/977,628A  
FILING DATE: 17-NOV-1992  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 5405597nan, Kevin E  
REGISTRATION NUMBER: 35,303  
REFERENCE/DOCKET NUMBER: 91,642-A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312-715-1000  
TELEFAX: 312-715-1234

TELEX: 910-221-5317  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 2.14  
OTHER INFORMATION: /label= Disulfide-bond  
OTHER INFORMATION: /note= "The sidechain thiol groups of the third  
OTHER INFORMATION: residue cysteine and the carboxy-terminal cysteine  
OTHER INFORMATION: form a disulfide bond in native somatostatin  
US-07-977-628A-1

Query Match 12.9%; Score 77; DB 1; Length 14;  
Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 98 AGCKNFYWKGTSC 111  
Db 1 AGCKNFYWKGTSC 14

## RESULT 25

US-08-255-272-5  
Sequence 5, Application US/08255272  
Patent No. 5627268

GENERAL INFORMATION:

APPLICANT: Kumar, Ramesh

APPLICANT: Sharma, Ajay

APPLICANT: Khoury-Christianson, Anastasia

APPLICANT: M.

TITLE OF INVENTION: Production of Therapeutic Peptides in

TITLE OF INVENTION: Transgenic Animals as a Fusion with Hemoglobin

NUMBER OF SEQUENCES: 32

CORRESPONDENCE ADDRESS:

ADDRESSEE: PENNIE & EDMONDS

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: NY

COUNTRY: USA

ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/255,272

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Cortuzzi, Laura A.

REGISTRATION NUMBER: 30742

REFERENCE/DOCKET NUMBER: 6794-032

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 790-9090

TELEFAX: (212) 869-9741/8864

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 14 amino acids

TYPE: amino acid

TOPOLOGY: unknown

MOLECULE TYPE: peptide

HYPOTHETICAL: NO

ANTI-SENSE: NO

US-08-255-272-5

Query Match 12.9%; Score 77; DB 1; Length 14;  
Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 98 AGCKNFYWKGTSC 111  
Db 1 AGCKNFYWKGTSC 14

## RESULT 26

US-08-416-007-4

Sequence 4, Application US/08416007

Patent No. 5693679

GENERAL INFORMATION:

APPLICANT: Vincent, Jean-Pierre

APPLICANT: Gaudriault, Georges

APPLICANT: Beaudet, Alain

TITLE OF INVENTION: FLUORESCENT SOMATOSTATIN

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson P.C.

STREET: 225 Franklin Street

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02110-2804

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/416,007

FILING DATE: 04-APR-1995

CLASSIFICATION: 530

ATTORNEY/AGENT INFORMATION:

NAME: Clark, Paul T.

REGISTRATION NUMBER: 30,162

REFERENCE/DOCKET NUMBER: 06942/003001

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617/542-5070

TELEFAX: 617/542-8906

TELEX: 200154

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 14 amino acids

TYPE: amino acid

STRANDEDNESS: not relevant

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-416-007-4

Query Match 12.9%; Score 77; DB 1; Length 14;  
Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 98 AGCKNFYWKGTSC 111  
Db 1 AGCKNFYWKGTSC 14

## RESULT 27

US-08-676-263-11

Sequence 11, Application US/08676263

Patent No. 5705143

GENERAL INFORMATION:

APPLICANT: Bower, Gary R.

APPLICANT: Forster, Alan M.

APPLICANT: Riley, Anthony L. M.

TITLE OF INVENTION: BIOLOGICAL TARGETING AGENTS

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun

STREET: 233 South Wacker Drive/6300 Sears Tower

CITY: Chicago

```
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/676,263
FILING DATE: 07-NOV-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 94300224.6
FILING DATE: 12-JAN-1994
ATTORNEY/AGENT INFORMATION:
NAME: Sharp, Jeffrey S.
REGISTRATION NUMBER: 31,879
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 474-6300
TELEFAX: (312) 474-0448
TELEX: (312) 474-6600
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Cross-links
LOCATION: 3..14
US-08-676-263-11

Query Match      12.9%; Score 77; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 0.0031;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      98 AGCKNFYWKGTSC 111
Db      1 AGCKNFWKFTTSC 14

RESULT 28
US-08-286-748B-13
Sequence 13, Application US/08286748B
Patent No. 5759542
GENERAL INFORMATION:
APPLICANT: Victor Gurewich
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DELIVERY
TITLE OF INVENTION: OF DRUGS BY PLATELETS FOR THE TREATMENT OF
TITLE OF INVENTION: CARDIOVASCULAR AND OTHER DISEASES
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/286,748B
FILING DATE: August 5, 1994
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
```

```
NAME: J. Peter Faase
REGISTRATION NUMBER: 32,983
REFERENCE/DOCKET NUMBER: 04547/013001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 14
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-286-748B-13

Query Match      12.9%; Score 77; DB 1; Length 14;
Best Local Similarity 85.7%; Pred. No. 0.0031;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      98 AGCKNFYWKGTSC 111
Db      1 AGCKNFWKFTTSC 14

RESULT 29
US-08-690-090A-1
Sequence 1, Application US/08690090A
Patent No. 5770687
GENERAL INFORMATION:
APPLICANT: HORNIK, VERED
APPLICANT: SERI-LEVY, ALON
APPLICANT: GELLERMAN, GARY
APPLICANT: GILON, CHAIM
TITLE OF INVENTION: Conformationally Constrained Backbone
TITLE OF INVENTION: Cyclized Somatostatin Analogs
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/690,090A
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/488,159
FILING DATE: 07-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Fanucci, Allan A.
REGISTRATION NUMBER: 30,256
REFERENCE/DOCKET NUMBER: 7754-052-999
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-690-090A-1

Query Match      12.9%; Score 77; DB 1; Length 14;
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Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 98 AGCKNFYWKGFSTC 111  
Db 1 AGCKNFYWKGFSTC 14

## RESULT 30

US-08-488-159-1  
; Sequence 1, Application US/08488159  
; Patent No. 5811392  
; GENERAL INFORMATION:  
; APPLICANT: Gilon, Chaim  
; TITLE OF INVENTION: Conformationally Constrained Backbone  
; TITLE OF INVENTION: Cyclized Peptide Analogs  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Pennie & Edmonds  
; STREET: 1155 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/488,159  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 514  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Panucci, Allan A.  
; REGISTRATION NUMBER: 30,256  
; REFERENCE/DOCKET NUMBER: 7754-033  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 790-9090  
; TELEFAX: (212) 869-9741/8864  
; TELEX: 66141 PENNIE  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
; US-08-488-159-1

Query Match 12.9%; Score 77; DB 2; Length 14;  
Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 98 AGCKNFYWKGFSTC 111  
Db 1 AGCKNFYWKGFSTC 14

## RESULT 31

US-08-465-764-1  
; Sequence 1, Application US/08465764  
; Patent No. 5814298  
; GENERAL INFORMATION:  
; APPLICANT: Dean, Richard T  
; APPLICANT: Lister-James, John  
; TITLE OF INVENTION: Technetium-99m Labeled  
; TITLE OF INVENTION: Somatostatin-derived Peptides for Imaging and Therapeutic  
; TITLE OF INVENTION: Uses  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Banner & Allegretti, Ltd.  
; STREET: 10 South Wacker Drive, Suite 3000

CITY: Chicago  
STATE: IL  
COUNTRY: USA  
ZIP: 60606

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/465,764  
FILING DATE: 06-JUN-1995  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 5814298nan, Kevin E  
REGISTRATION NUMBER: 35,303  
REFERENCE/DOCKET NUMBER: 92,385-R  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312-715-1000  
TELEFAX: 312-715-1234  
TELEX: 910-221-5317  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14 amino acids  
TYPE: amino acid  
TOPOLOGY: circular  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 3..14  
OTHER INFORMATION: /label= Disulfide bond  
OTHER INFORMATION: /note= "The peptide is cyclized between the  
OTHER INFORMATION: sidechain sulfur atoms of the 3d and 14th residues  
US-08-465-764-1

Query Match 12.9%; Score 77; DB 2; Length 14;  
Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 98 AGCKNFYWKGFSTC 111  
Db 1 AGCKNFYWKGFSTC 14

## RESULT 32

US-08-475-751-4  
; Sequence 4, Application US/08475751  
; Patent No. 5824772  
; GENERAL INFORMATION:  
; APPLICANT: Vincent, Jean-Pierre  
; APPLICANT: Gaudriault, Georges  
; APPLICANT: Beaudet, Alain  
; TITLE OF INVENTION: FLUORESCENT SOMATOSTATIN  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Clark & Elbing LLP  
; STREET: 585 Commercial Street  
; CITY: Boston  
; STATE: MA  
; COUNTRY: USA  
; ZIP: 02109-1024  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/475,751  
; FILING DATE: 07-JUN-1995  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/416,007  
; FILING DATE: 04-APR-1995



ATTORNEY/AGENT INFORMATION:  
NAME: Clark, Paul T.  
REGISTRATION NUMBER: 30,162  
REFERENCE/DOCKET NUMBER: 06942/004001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617/723-4123  
TELEFAX: 617/723-8962  
TELEX:  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-475-751-4

Query Match 12.9%; Score 77; DB 2; Length 14;  
Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 98 AGCKNFYWKFTSC 111  
Db 1 AGCKNFYWKFTSC 14

RESULT 33  
US-08-282-980B-1  
Sequence 1, Application US/08282980B  
Patent No. 5932189  
GENERAL INFORMATION:  
APPLICANT: Dean, Richard T.  
APPLICANT: McBride, William  
APPLICANT: Lister-James, John  
TITLE OF INVENTION: Peptides  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff  
STREET: 300 South Wacker Drive, Seventh Floor  
CITY: Chicago  
STATE: IL  
COUNTRY: USA  
ZIP: 60606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/282,980B  
FILING DATE: 29-JUL-1994  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 5932189nan, Kevin E  
REGISTRATION NUMBER: 35,303  
REFERENCE/DOCKET NUMBER: 92,385-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312-913-0001  
TELEFAX: 312-913-0002  
TELEX:  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14 amino acids  
TYPE: amino acid  
TOPOLOGY: circular  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: 3..14  
OTHER INFORMATION: /label= Disulfide bond  
OTHER INFORMATION: /note= "A disulfide bond exists between the  
OTHER INFORMATION: two sulfur atoms of the cysteine residues;  
US-08-282-980B-1

Query Match 12.9%; Score 77; DB 2; Length 14;  
Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 98 AGCKNFYWKFTSC 111  
Db 1 AGCKNFYWKFTSC 14

RESULT 34  
US-08-747-137-13  
Sequence 13, Application US/08747137  
Patent No. 5945033  
GENERAL INFORMATION:  
APPLICANT: YEN, Richard C.K.  
TITLE OF INVENTION: NON-CROSSLINKED PROTEIN PARTICLES FOR  
THERAPEUTIC AND DIAGNOSTIC USE  
NUMBER OF SEQUENCES: 184  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Townsend and Townsend and Crew LLP  
STREET: Two Embarcadero Center, 8th Floor  
CITY: San Francisco  
STATE: CA  
COUNTRY: USA  
ZIP: 94111  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/747,137  
FILING DATE: 12-NOV-1996  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/212,546  
FILING DATE: 14-MAR-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/069,831  
FILING DATE: 01-JUN-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/959,560  
FILING DATE: 13-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/641,720  
FILING DATE: 15-JAN-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Apple, Randolph T.  
REGISTRATION NUMBER: 36,429  
REFERENCE/DOCKET NUMBER: 016197-000840US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-576-0200  
INFORMATION FOR SEQ ID NO: 13:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: not relevant  
US-08-747-137-13

Query Match 12.9%; Score 77; DB 2; Length 14;  
Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 98 AGCKNFYWKFTSC 111  
Db 1 AGCKNFYWKFTSC 14

RESULT 35  
US-09-039-062-1  
Sequence 1, Application US/09039062

Patent No. 5965108  
GENERAL INFORMATION:  
APPLICANT: Dean, Richard T.  
TITLE OF INVENTION: Peptide-Metal Chelate Conjugates  
FILE REFERENCE: DITI 108D1  
CURRENT APPLICATION NUMBER: US/09/039,062  
CURRENT FILING DATE: 1998-03-13  
EARLIER APPLICATION NUMBER: 08/241,625  
EARLIER FILING DATE: 1994-05-12  
NUMBER OF SEQ ID NOS: 1  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 1  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: DISULFID  
LOCATION: (3)..(14)  
US-09-039-062-1

Query Match 12.9%; Score 77; DB 2; Length 14;  
Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 98 AGCKNFYWKGFSTC 111  
|||||:|||||  
Db 1 AGCKNFYWKGFSTC 14

RESULT 36  
US-09-042-224-1  
Sequence 1, Application US/09042224  
Patent No. 5972308  
GENERAL INFORMATION:  
APPLICANT: Dean, Richard T.  
TITLE OF INVENTION: Peptide-Metal Chelate Conjugates  
FILE REFERENCE: 108d4  
CURRENT APPLICATION NUMBER: US/09/042,224  
CURRENT FILING DATE: 1998-03-13  
EARLIER APPLICATION NUMBER: 08/241,625  
EARLIER FILING DATE: 1994-05-12  
NUMBER OF SEQ ID NOS: 1  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 1  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: DISULFID  
LOCATION: (3)..(14)  
US-09-042-224-1

Query Match 12.9%; Score 77; DB 2; Length 14;  
Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 98 AGCKNFYWKGFSTC 111  
|||||:|||||  
Db 1 AGCKNFYWKGFSTC 14

RESULT 37  
US-09-042-315A-1  
Sequence 1, Application US/09042315A  
Patent No. 5985241  
GENERAL INFORMATION:  
APPLICANT: Dean, Richard T.  
TITLE OF INVENTION: PEPTIDE-METAL CHELATE CONJUGATES  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Patricia A. McDaniels, Diatide, Inc.  
STREET: 9 Delta Drive  
CITY: Londonderry

STATE: NH  
COUNTRY: USA  
ZIP: 03053  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/042,315A  
FILING DATE: 13-MAR-1998  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: McDaniels, Patricia A.  
REGISTRATION NUMBER: 33,194  
REFERENCE/DOCKET NUMBER: DITI108D3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (603) 437-8970  
TELEFAX: (603) 437-8977  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 14 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: circular  
MOLECULE TYPE: peptide  
FEATURE:  
NAME/KEY: Disulfide-bond  
LOCATION: 3..14  
US-09-042-315A-1

Query Match 12.9%; Score 77; DB 2; Length 14;  
Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 98 AGCKNFYWKGFSTC 111  
|||||:|||||  
Db 1 AGCKNFYWKGFSTC 14

RESULT 38  
US-08-931-095-1  
Sequence 1, Application US/08931095  
Patent No. 6017512  
GENERAL INFORMATION:  
APPLICANT: Dean, Richard T.  
APPLICANT: McBride, William  
APPLICANT: Lister-James, John  
TITLE OF INVENTION: Radiolabeled Peptides  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: McDonnell Boehnen Hulbert & Berghoff  
STREET: 300 South Wacker Drive, 32nd Floor  
CITY: Chicago  
STATE: IL  
COUNTRY: USA  
ZIP: 60606  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/931,095  
FILING DATE: 15-SEP-1997  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: No. 6017512nan, Kevin E  
REGISTRATION NUMBER: 35,303  
REFERENCE/DOCKET NUMBER: 92,385-00  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 312-913-0001  
TELEFAX: 312-913-0002

TELEX:  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; TOPOLOGY: circular  
; MOLECULE TYPE: peptide  
; FEATURE:  
; NAME/KEY: Modified-site  
; LOCATION: 3..14  
; OTHER INFORMATION: /label= Disulfide bond  
; OTHER INFORMATION: /note="A disulfide bond exists between the  
; OTHER INFORMATION: two sulfur atoms of the cysteine residues;  
US-08-931-095-1

Query Match 12.9%; Score 77; DB 3; Length 14;  
Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 98 AGCKNFWKGTSC 111  
Db 1 AGCKNFWKGTSC 14

RESULT 39  
US-09-100-414B-83  
; Sequence 83, Application US/09100414B  
; Patent No. 6025468  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Chang Yi  
; TITLE OF INVENTION: NOVEL LHRH PEPTIDE  
; NUMBER OF SEQUENCES: 106  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Morgan & Finnegan, L.L.P.  
; STREET: 345 Park Avenue  
; CITY: New York  
; STATE: NY  
; COUNTRY: USA  
; ZIP: 10154-0054  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC Windows  
; SOFTWARE: Word 97  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/100,414B  
; FILING DATE: 20-JUNE-1998  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Maria H. Lin  
; REGISTRATION NUMBER: 29,323  
; REFERENCE/DOCKET NUMBER: 1151-4157  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-758-4800  
; TELEFAX: 212-751-6849  
; INFORMATION FOR SEQ ID NO: 83:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 14 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-09-100-414B-83

Query Match 12.9%; Score 77; DB 3; Length 14;  
Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 98 AGCKNFWKGTSC 111  
Db 1 AGCKNFWKGTSC 14

RESULT 40  
US-09-420-866-1  
; Sequence 1, Application US/09420866  
; Patent No. 6183722  
; GENERAL INFORMATION:  
; APPLICANT: Dean, Richard T.  
; APPLICANT: Lister-James, John  
; TITLE OF INVENTION: Somatostatin Analogs  
; FILE REFERENCE: 118c2  
; CURRENT APPLICATION NUMBER: US/09/420,866  
; CURRENT FILING DATE: 1999-10-19  
; EARLIER APPLICATION NUMBER: 08/092,355  
; EARLIER FILING DATE: 1993-07-15  
; EARLIER APPLICATION NUMBER: 07/807,062  
; EARLIER FILING DATE: 1991-11-27  
; NUMBER OF SEQ ID NOS: 1  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: DISULFID  
; LOCATION: (3)..(14)  
US-09-420-866-1

Query Match 12.9%; Score 77; DB 3; Length 14;  
Best Local Similarity 85.7%; Pred. No. 0.0031;  
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 98 AGCKNFWKGTSC 111  
Db 1 AGCKNFWKGTSC 14

Search completed: May 6, 2004, 16:50:51  
Job time : 26.2489 secs



; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 18847  
; LENGTH: 140  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-18847

Query Match 16.3%; Score 73.5; DB 4; Length 140;  
Best Local Similarity 36.5%; Pred. No. 0.1;  
Matches 23; Conservative 3; Mismatches 24; Indels 13; Gaps 3;

QY 24 AASQPDLDLASRRLQALAAALPHRSVSEWRWTFYPNCPCLRW-----RPRKYKG 75  
DB 29 SCSQPQAPSRSRRLARALVSASP--SPASRTWR--NASALSWSLRLQRLPSPSKNSA 83

QY 76 PQL 78  
DB 84 PAI 86

RESULT 3  
US-09-489-039A-7663  
; Sequence 7663, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:

APPLICANT: Gary Bretton et. al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 2709.2004001  
CURRENT APPLICATION NUMBER: US/09/489,039A  
PRIOR FILING DATE: 2000-01-27  
PRIOR APPLICATION NUMBER: US 60/117,747  
PRIOR FILING DATE: 1999-01-29  
NUMBER OF SEQ ID NOS: 14342  
SEQ ID NO 7663  
LENGTH: 126  
TYPE: PRT  
ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-7663

Query Match 16.2%; Score 73; DB 4; Length 126;  
Best Local Similarity 31.6%; Pred. No. 0.1;  
Matches 24; Conservative 7; Mismatches 27; Indels 18; Gaps 3;

QY 15 LALAICSG--AASQPDLDLASRRLQALAAALPHRSVSEWRWTFYP----- 61  
DB 49 ITMCICSPRFPSSRP--LPARALRYALTARWRRVGSTSRRAAASPASFTAKRS 105

QY 62 --NCPCLRWPRPKYKG 75  
DB 106 LRNCFCRRWMPSPAG 121

RESULT 4  
US-09-252-991A-16986  
; Sequence 16986, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 107196.136  
CURRENT APPLICATION NUMBER: US/09/252,991A  
PRIOR FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 16986  
LENGTH: 417  
TYPE: PRT

; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-16986

Query Match 15.1%; Score 68; DB 4; Length 417;  
Best Local Similarity 33.8%; Pred. No. 2.1;  
Matches 22; Conservative 5; Mismatches 26; Indels 12; Gaps 2;

QY 11 ALLGLAICSGAASQPDLDLASRRLQALAAALPHRSVSEWRWTFYPNCPCLRWPR 70  
DB 139 ALAGQAEPVADRAPAGQAPYFALRRTV--APVAALPRPAGPRLPWR--RP 186

QY 71 RKYKG 75  
DB 187 RPARG 191

RESULT 5  
US-07-908-245-2  
; Sequence 2, Application US/07908245  
; Patent No. 5498539  
; GENERAL INFORMATION:

APPLICANT: Harrison, David G.  
APPLICANT: Alexander, R. Wayne  
APPLICANT: Murphy, T.J.  
APPLICANT: Nishida, Ken'ichi  
TITLE OF INVENTION: Endothelial Nitric Oxide Synthase  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Kilpatrick & Cody  
STREET: 1100 Peachtree Street, Suite 2800  
CITY: Atlanta  
STATE: Georgia  
COUNTRY: U.S.  
ZIP: 30309-4530  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/908,245  
FILING DATE: 19920702  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Pabst, Patricia L.  
REGISTRATION NUMBER: 31,284  
REFERENCE/DOCKET NUMBER: EMU 111  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 404-815-6508  
TELEFAX: 404-815-6555  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1205 amino acids  
TYPE: AMINO ACID  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: Bovine  
TISSUE TYPE: Aorta  
CELL TYPE: Endothelial  
FEATURE:  
NAME/KEY: Binding-site  
LOCATION: 496..512  
OTHER INFORMATION: /note= "CA++/CAM binding domain"  
FEATURE:  
NAME/KEY: Binding-site  
LOCATION: 651..678  
OTHER INFORMATION: /note= "FMN binding domain"



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NAME/KEY: Binding-site
LOCATION: 795..806
OTHER INFORMATION: /note= "FAD-Pyrophosphate binding
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: Binding-site
LOCATION: 937..947
OTHER INFORMATION: /note= "FAD-Isolalloxanthine
OTHER INFORMATION: binding domain"
FEATURE:
NAME/KEY: Binding-site
LOCATION: 1012..1030
OTHER INFORMATION: /note= "NADPH-Ribose binding
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: Binding-site
LOCATION: 1111..1124
OTHER INFORMATION: /note= "NADPH-Ribose binding
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: Domain
LOCATION: 33..34
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 46..47
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 53..54
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 58..59
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 97..98
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 116..117
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 282..283
OTHER INFORMATION: /note= "Potential proline
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 459..460
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 472..473
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 602..603
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 727..728
OTHER INFORMATION: /note= "Potential proline directed
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OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 838..839
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 869..870
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 872..873
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 1085..1086
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 1202..1203
OTHER INFORMATION: /note= "Potential proline directed
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 114..116
OTHER INFORMATION: /note= "CAMP dependent
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 141..143
OTHER INFORMATION: /note= "CAMP dependent
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 168..170
OTHER INFORMATION: /note= "CAMP dependent
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 633..635
OTHER INFORMATION: /note= "CAMP dependent
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 836..838
OTHER INFORMATION: /note= "CAMP dependent
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 1051..1053
OTHER INFORMATION: /note= "CAMP dependent
OTHER INFORMATION: phosphorylation site"
FEATURE:
NAME/KEY: Domain
LOCATION: 738..740
OTHER INFORMATION: /note= "CAMP dependent
OTHER INFORMATION: phosphorylation site"
US-07-908-245-2
```

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Query Match 14.9%; Score 67; DB 1; Length 1205;
Best Local Similarity 35.5%; Pred. No. 11;
Matches 27; Conservative 4; Mismatches 25; Indels 20; Gaps 5;
```

```
QY 8 CALALGLAALIC-SQGAAS---QPDULASRRLLQRALAAALPHRSVSESRWRTFYFNC 63
Db 15 CGLG-LGLGLGLCGKQGPASPAPFP-----SRAPAPATPRAPDHSFA-----PNS 58
QY 64 PCLRWRPRKVKGPOLK 79
```

DB 59 PTLTRPPEGPKFPRVK 74

## RESULT 6

US-08-319-866-10  
; Sequence 10, Application US/08319866  
; Patent No. 5929223  
; GENERAL INFORMATION:  
; APPLICANT: Tully, Timothy P.  
; APPLICANT: Yin, Jerry C.  
; APPLICANT: Regulski, Michael  
; TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF GENES  
; TITLE OF INVENTION: ASSOCIATED WITH LONG-TERM MEMORY  
; NUMBER OF SEQUENCES: 24  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.  
; STREET: Two Militia Drive  
; CITY: Lexington  
; STATE: Massachusetts  
; COUNTRY: USA  
; ZIP: 02173  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/319,866  
; FILING DATE: 7-OCT-1994  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Granahan, Patricia  
; REGISTRATION NUMBER: 32,227  
; REFERENCE/DOCKET NUMBER: CSHL94-03  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (617) 861-6240  
; TELEFAX: (617) 861-9540  
; INFORMATION FOR SEQ ID NO: 10:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1205 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-319-866-10

Query Match 14.9%; Score 67; DB 2; Length 1205;  
Best Local Similarity 35.5%; Pred. No. 11;  
Matches 27; Conservative 4; Mismatches 25; Indels 20; Gaps 5;  
OY 8 CALALLGLALAIC-SQGAAS--QPDLILASRRLQALAAALPHRSGVSEKRWTFYPNC 63  
DB 15 CGLG-LGLGLGCGKQGPASPAP-----SRAPAPATPHADHSPA-----PNS 58  
OY 64 PCLRWPRKVKGPOLK 79  
DB 59 PTLTRPPEGPKFPRVK 74

## RESULT 7

US-09-123-708-6  
; Sequence 6, Application US/09123708  
; Patent No. 6146887  
; GENERAL INFORMATION:  
; APPLICANT: SCHRADER, Juergen  
; APPLICANT: GOEDECKE, Axel  
; TITLE OF INVENTION: DNA EXPRESSION VECTORS FOR USE IN GENE THERAPEUTIC  
; TITLE OF INVENTION: TREATMENT OF VASCULAR DISORDERS  
; FILE REFERENCE: 51169-2003  
; CURRENT APPLICATION NUMBER: US/09/123,708

; CURRENT FILING DATE: 1998-07-28  
; EARLIER APPLICATION NUMBER: 08/553,503  
; EARLIER FILING DATE: 1996-03-01  
; EARLIER APPLICATION NUMBER: P4411402.8  
; EARLIER FILING DATE: 1994-03-31  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 6  
; LENGTH: 1205  
; TYPE: PRT  
; ORGANISM: Cytomegalovirus  
; US-09-123-708-6

Query Match 14.9%; Score 67; DB 3; Length 1205;  
Best Local Similarity 35.5%; Pred. No. 11;  
Matches 27; Conservative 4; Mismatches 25; Indels 20; Gaps 5;

OY 8 CALALLGLALAIC-SQGAAS--QPDLILASRRLQALAAALPHRSGVSEKRWTFYPNC 63  
DB 15 CGLG-LGLGLGCGKQGPASPAP-----SRAPAPATPHADHSPA-----PNS 58  
OY 64 PCLRWPRKVKGPOLK 79  
DB 59 PTLTRPPEGPKFPRVK 74

## RESULT 8

US-09-123-624-6  
; Sequence 6, Application US/09123624  
; Patent No. 6149936  
; GENERAL INFORMATION:  
; APPLICANT: SCHRADER, Juergen  
; APPLICANT: GOEDECKE, Axel  
; TITLE OF INVENTION: DNA EXPRESSION VECTORS FOR USE IN THE GENE THERAPEUTIC  
; TITLE OF INVENTION: TREATMENT OF VASCULAR DISORDERS  
; FILE REFERENCE: 51169-2004  
; CURRENT APPLICATION NUMBER: US/09/123,624  
; PRIOR FILING DATE: 1998-07-28  
; PRIOR APPLICATION NUMBER: 08/553,503  
; PRIOR FILING DATE: 1996-03-01  
; PRIOR APPLICATION NUMBER: 4411402.8  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: Patent In Ver. 2.1  
; SEQ ID NO 6  
; LENGTH: 1205  
; TYPE: PRT  
; ORGANISM: Bos taurus  
; US-09-123-624-6

Query Match 14.9%; Score 67; DB 3; Length 1205;  
Best Local Similarity 35.5%; Pred. No. 11;  
Matches 27; Conservative 4; Mismatches 25; Indels 20; Gaps 5;

OY 8 CALALLGLALAIC-SQGAAS--QPDLILASRRLQALAAALPHRSGVSEKRWTFYPNC 63  
DB 15 CGLG-LGLGLGCGKQGPASPAP-----SRAPAPATPHADHSPA-----PNS 58  
OY 64 PCLRWPRKVKGPOLK 79  
DB 59 PTLTRPPEGPKFPRVK 74

## RESULT 9

US-09-252-991A-29252  
; Sequence 29252, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: MARC J. RUBENFELD et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A

```
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 29252
; LENGTH: 484
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-29252
```

```
Query Match          14.4%; Score 65; DB 4; Length 484;
Best Local Similarity 32.1%; Pred. No. 6;
Matches 25; Conservative 9; Mismatches 26; Indels 18; Gaps 5;
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```
QY 7 HCAIALLGLAL-----AICSGAASQPDLDIASRRLQALAAALPHR--SGVSEWR 57
DB 11 HCQAGVSALTAGVGHNTNALGSGVAGRSRDL---RQPLQ--TGSTLEPRLAAGASPRRR 64
QY 58 TFYPCPCCLRMWRPRKXVG 75
DB 65 PFTFRLPC---RPCRWAG 79
```

## RESULT 10

```
US-09-252-991A-28325
; Sequence 28325, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28325
; LENGTH: 679
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28325
```

```
Query Match          14.2%; Score 64; DB 4; Length 679;
Best Local Similarity 36.7%; Pred. No. 12;
Matches 22; Conservative 5; Mismatches 13; Indels 20; Gaps 5;
```

```
QY 18 AICSGAASQPDLDIASRRLQALAAALPHRSGVSEWRRTFYPCPCCLRMWR--PRKXGP 76
DB 19 AACSEG-----CHRR--RRNSAALS-----SMHMTATYPSG---TWRSPRRFPGP 59
```

## RESULT 11

```
US-09-482-273-131
; Sequence 131, Application US/09482273
; Patent No. 6534631
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 71 Human Secreted Proteins
; FILE REFERENCE: P2030P1
; CURRENT APPLICATION NUMBER: US/09/482,273
; PRIOR FILING DATE: 2000-01-13
; PRIOR APPLICATION NUMBER: PCT/US99/15849
; EARLIER FILING DATE: 1999-07-14
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/092,922
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/092,956
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; EARLIER FILING DATE: 1998-07-15
; NUMBER OF SEQ ID NOS: 267
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 131
; LENGTH: 333
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (97)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-482-273-131
```

```
Query Match          14.1%; Score 63.5; DB 4; Length 333;
Best Local Similarity 33.3%; Pred. No. 5.8;
Matches 19; Conservative 6; Mismatches 19; Indels 13; Gaps 4;
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```
QY 18 AICSGAASQPDLDIASRRLQALAAALPHRSGVSEWRRTFY---PNCPCCLRMWR 69
DB 72 AVCGQPGMPRPDLPVCGPRTLLRXIL-----VSDRYRFLYCYVPKVAAGSNWK 120
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## RESULT 12

```
US-09-252-991A-28854
; Sequence 28854, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 28854
; LENGTH: 829
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-28854
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```
Query Match          14.1%; Score 63.5; DB 4; Length 829;
Best Local Similarity 31.7%; Pred. No. 18;
Matches 19; Conservative 6; Mismatches 18; Indels 17; Gaps 2;
```

```
QY 7 HCAIALLGLAICSGAAS-----QPD-----LDIASRRLQALAAALPHR 49
DB 482 HCGIGEVSGIAFCEQVADAAACLPVGVQPDFAHQVRGVDFAFGQALQALGRALLPFR 541
```

## RESULT 13

```
US-08-648-322-3
; Sequence 3, Application US/08648322
; Patent No. 6074872
; GENERAL INFORMATION:
; APPLICANT: Sutcliffe, Gregor J.
; TITLE OF INVENTION: de lecea, Luis
; TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES,
; TITLE OF INVENTION: COMPOSITIONS AND METHODS
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: THE SCRIPPS RESEARCH INSTITUTE
; STREET: 10666 No. 6074872th Torrey Pines Road, TPC-8
; CITY: La Jolla
; STATE: California
; COUNTRY: US
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
```

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/648,322  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Fitting, Thomas  
REGISTRATION NUMBER: 34,163  
REFERENCE/DOCKET NUMBER: 519.0  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 554-2937  
TELEFAX: (619) 554-6312  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 110 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: C-terminal  
US-08-648-322-3

Query Match 13.9%; Score 62.5; DB 3; Length 110;  
Best Local Similarity 48.7%; Pred. No. 1.9; 10; Indels 5; Gaps 2;  
Matches 19; Conservative 5; Mismatches 10; Indels 5; Gaps 2;

QY 8 CALALLGLAALICS-QGAASQPDLDLASRLIQALAAA 45  
DB 2 CALAALCIVLAGVTGAPSDPRL---RQFLQKSLAAA 36

RESULT 14  
US-08-857-389-3  
Sequence 3, Application US/08857389  
Patent No. 6479642  
GENERAL INFORMATION:  
APPLICANT: Sutcliffe, Gregor J.  
APPLICANT: de Lecea, Luis  
APPLICANT: Stiggins, George R.  
APPLICANT: Henriksen, Steven J.  
TITLE OF INVENTION: CORTISTATIN: NEUROPEPTIDES,  
TITLE OF INVENTION: COMPOSITIONS AND METHODS  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSER: THE SCRIPPS RESEARCH INSTITUTE  
STREET: 10666 No. 6479642th Torrey Pines Road, TPC-8  
CITY: La Jolla  
STATE: California  
COUNTRY: US  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/857,389  
FILING DATE:  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Schmonsees, William  
REGISTRATION NUMBER: 31,796  
REFERENCE/DOCKET NUMBER: 22908-0002  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 324-7041  
TELEFAX: (415) 324-0638  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 110 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: C-terminal

US-08-857-389-3

Query Match 13.9%; Score 62.5; DB 4; Length 110;  
Best Local Similarity 48.7%; Pred. No. 1.9; 10; Indels 5; Gaps 2;  
Matches 19; Conservative 5; Mismatches 10; Indels 5; Gaps 2;

QY 8 CALALLGLAALICS-QGAASQPDLDLASRLIQALAAA 45  
DB 2 CALAALCIVLAGVTGAPSDPRL---RQFLQKSLAAA 36

RESULT 15  
US-09-489-039A-11752  
Sequence 11752, Application US/09489039A  
Patent No. 6610836  
GENERAL INFORMATION:  
APPLICANT: Gary Breton et. al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 2709.2004001  
CURRENT APPLICATION NUMBER: US/09/489,039A  
PRIOR FILING DATE: 2000-01-27  
PRIOR APPLICATION NUMBER: US 60/117,747  
PRIOR FILING DATE: 1999-01-29  
NUMBER OF SEQ ID NOS: 14342  
SEQ ID NO 11752  
LENGTH: 352  
TYPE: PRT  
ORGANISM: klebsiella pneumoniae  
US-09-489-039A-11752

Query Match 13.9%; Score 62.5; DB 4; Length 352;  
Best Local Similarity 32.1%; Pred. No. 8.3; 34; Indels 13; Gaps 4;  
Matches 27; Conservative 10; Mismatches 34; Indels 13; Gaps 4;

QY 7 HCAALGLAALICSQGAASQPDLDLASRLIQALAAALPHRSQVS--ERWTFYPN-C 63  
DB 161 HLAALLGLD--ASQANALPEHQENYRIHDAISRTIKATGMSAPANKMFYADEM 217

QY 64 PCLRWR-----PRYKGPQLKA 80  
DB 218 PALAWRFIDDELTPPEIKARSLKA 241

RESULT 16  
US-09-252-991A-26328  
Sequence 26328, Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 107196.136  
CURRENT APPLICATION NUMBER: US/09/252,991A  
PRIOR FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 26328  
LENGTH: 575  
TYPE: PRT  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-26328

Query Match 13.9%; Score 62.5; DB 4; Length 575;  
Best Local Similarity 26.6%; Pred. No. 16; 17; Indels 31; Gaps 3;  
Matches 21; Conservative 10; Mismatches 17; Indels 31; Gaps 3;

QY 6 HCAALGLAALICSQGAASQPDLDLASRLIQALAAA 43  
DB 46 LHPLRLHPLALCAAGAAQAKNLVCTEASPERFDIVQYTGAVTADASAEIVENRLLA 105

QY 44 -----ALPHRSGVSRW 56  
Db 106 FRPGTTEVIP---GLAERW 121

## RESULT 17

US-09-470-276-54  
; Sequence 54, Application US/09470276  
; Patent No. 6670460  
; GENERAL INFORMATION:  
; APPLICANT: DANA-FARBER CANCER INSTITUTE, INC.  
; APPLICANT: KOLODNER, Richard  
; APPLICANT: WINAND, Nena  
; TITLE OF INVENTION: A METHOD OF DETECTION OF ALTERATIONS IN MSH5  
; FILE REFERENCE: 700157/47483C  
; CURRENT APPLICATION NUMBER: US/09/470,276  
; CURRENT FILING DATE: 1999-12-22  
; PRIOR APPLICATION NUMBER: 60/051,686  
; PRIOR FILING DATE: 1997-07-03  
; PRIOR APPLICATION NUMBER: PCT/US98/13850  
; PRIOR FILING DATE: 1998-07-02  
; NUMBER OF SEQ ID NOS: 104  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 54  
; LENGTH: 833  
; TYPE: PRT  
; ORGANISM: Human  
US-09-470-276-54

Query Match 13.8%; Score 62; DB 4; Length 833;  
Best Local Similarity 27.5%; Pred. No. 29;  
Matches 30; Conservative 12; Mismatches 37; Indels 30; Gaps 5;

QY 3 VSQIHC-----ALALGLALAICSGAASQPDLDLASRLQALAAAL-----PHR 49  
Db 489 LGDLHCEIRDQETLMYQLOCOVLARASVLTREVLDLASRLDVLALASAAADYGYSRPHY 548

QY 50 S-----GVSER-----WRTFYPN---CPCLRMRPRKVKGPQLKAK 81  
Db 549 SPCHHGVRIKRGHPLMELCARTFVFNSTDCGGDQGRVKVITGPNSSGK 597

## RESULT 18

US-09-252-991A-29541  
; Sequence 29541, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 29541  
; LENGTH: 416  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-29541

Query Match 13.7%; Score 61.5; DB 4; Length 416;  
Best Local Similarity 31.1%; Pred. No. 14;  
Matches 28; Conservative 5; Mismatches 34; Indels 23; Gaps 4;

QY 15 LALALCSQ-----GAASQPDLDLASRL-----LQALAAALPH-----RSGVSR 55  
Db 323 ISRACCSRRWPAGVSTPRLSRYSRRLPSWSSALTRALAAAGERRKARRAPWVRLGDSAI 382

QY 56 W-----RTFYPNCPCLRMRPRKVKGPQLKAK 81  
Db 383 WMNRRRSARSKCMGTWRSANPNAPLRNCK 412

## RESULT 19

US-09-252-991A-24150  
; Sequence 24150, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 24150  
; LENGTH: 421  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-24150

Query Match 13.7%; Score 61.5; DB 4; Length 421;  
Best Local Similarity 34.2%; Pred. No. 14;  
Matches 25; Conservative 8; Mismatches 27; Indels 13; Gaps 4;

QY 11 ALGLALAICSGAASQPDLDLASRLQALAAALPHRSGVSRWRTFYPNCPCLRW-R 69  
Db 37 AMGLPLD--RREGPPMPALPLSRRLAALALVFPALP---ALAEW-----PDTWPR 84

QY 70 PRKVKGPQLKAKE 82  
Db 85 AQQPAGPALAEAFE 97

## RESULT 20

US-09-252-991A-16984  
; Sequence 16984, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 16984  
; LENGTH: 551  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-16984

Query Match 13.7%; Score 61.5; DB 4; Length 551;  
Best Local Similarity 27.6%; Pred. No. 20;  
Matches 24; Conservative 8; Mismatches 38; Indels 17; Gaps 2;

QY 5 QIHCAALIGLALAICSGAASQPDLDLASRLQALAAALPHRSGV----- 52  
Db 447 RFHALVADIVLLRGAGGLAAQHIAVLAPRQLRLRRAPAPCGTGAARAVDAPQAGAR 506

QY 53 ---SERWRTP---YPNCPCLRWRPRKVK 74  
Db 507 RRRSRWRRLSNVPRSTCRAWSPTTIR 533



## RESULT 21

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US-09-252-991A-27368
; Sequence 27368, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/034,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 27368
; LENGTH: 154
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-27368

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US-09-252-991A-22293  
; Sequence 22293, Application US/09252991A

```
; ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
; STREET: 600 ATLANTIC AVENUE
; CITY: BOSTON
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 02210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/311,731A
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: GATES, EDWARD R.
; REGISTRATION NUMBER: 31,616
; REFERENCE/DOCKET NUMBER: C0044/7125
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617/720-3500
; TELEFAX: 617/720-2441
; INFORMATION FOR SEQ ID NO: 60:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 234 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: MYCOBACTERIUM LEPRAE
;
US-08-311-731A-60

Query Match          13.4%; Score 60.5; DB 4; Length 234;
Best Local Similarity 29.1%; Pred. No. 8.9;
Matches 16; Conservative 11; Mismatches 11; Indels 17; Gaps 3;

QY 20 CSQGAASQPDLDLASRRLQALAAALPHRSVGS--ERWRTFPNCPCLRWPRK 72
Db 189 CTRSCSNWP-----NLVRRLLSAGPWSGAVAAAFQRM-----VRWRPRR 228

RESULT 26
US-09-198-452A-925
; Sequence 925, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffiths, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 925
; LENGTH: 433
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
;
US-09-198-452A-925

Query Match          13.3%; Score 60; DB 4; Length 433;
Best Local Similarity 41.5%; Pred. No. 23;
Matches 17; Conservative 7; Mismatches 15; Indels 2; Gaps 2;

QY 19 ICSQG-AAASQPDLDLASRRLQALAAALPHRSVGSERWRT 58
Db 332 LTSQKALASPIDILS-SLSRSAQALALPHYVAAERLRS 371

RESULT 27
US-09-252-991A-32732
; Sequence 32732, Application US/09252991A
```

```
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 32732
; LENGTH: 521
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
;
US-09-252-991A-32732

Query Match          13.3%; Score 60; DB 4; Length 521;
Best Local Similarity 29.3%; Pred. No. 29;
Matches 24; Conservative 9; Mismatches 33; Indels 16; Gaps 2;

QY 1 MRVSQIHCAALALGLAALICSGGASQ-----PDLDLASRRLQALAAALPHRSVGS- 54
Db 188 LVRERELGMRLLPICLAERWRLLPGWVIQGYRLACDRRLVRLARLARDHQSPLIQ 247

QY 55 -----RWRTFPNCPCL 66
Db 248 QQLDAQPDLARWLTPANCTLL 269

RESULT 28
US-09-252-991A-18427
; Sequence 18427, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 18427
; LENGTH: 748
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
;
US-09-252-991A-18427

Query Match          13.3%; Score 60; DB 4; Length 748;
Best Local Similarity 32.5%; Pred. No. 45;
Matches 25; Conservative 7; Mismatches 19; Indels 26; Gaps 4;

QY 25 ASQPDLDLASRRL--QALAAALPHRSVGSERWRTFPNCPCLRWPR- 70
Db 290 AAEPRLDPRWRLAOPGHQGAALAGQRRSGIHPRL-----WRPGADERLRHPAG 340

QY 71 -RKVGPQLKAKEDLER 86
Db 341 RRQV--PQAPARELQ 355

RESULT 29
US-09-252-991A-19869
; Sequence 19869, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
```

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; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 19869
; LENGTH: 760
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-19869

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```

Query Match 13.3%; Score 60; DB 4; Length 760;
Best Local Similarity 31.6%; Pred. No. 46;
Matches 24; Conservative 8; Mismatches 24; Indels 20; Gaps 4;

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QY 25 ASQPDLDLASRRLLQALALPHRSGVSRW---RTFYNPCCLR-----W-- 68
DB 309 ASQPDLDLASRRLLQALALPHRSGVSRW---RTFYNPCCLR-----W-- 68

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QY 69 ---RPRKXKGPQLKAK 81
DB 368 SRAPRQLAGQAVAR 383

```

```

RESULT 30
US-09-252-991A-31739
; Sequence 31739, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 31739
; LENGTH: 308
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31739

```

```

Query Match 13.2%; Score 59.5; DB 4; Length 308;
Best Local Similarity 44.2%; Pred. No. 17;
Matches 23; Conservative 5; Mismatches 15; Indels 9; Gaps 4;

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QY 1 MRVSQIHCAALIGLALICSGGAA--SQPDLDLA-SRRLQALAAALPHR 49
DB 5 MRTSL--VAALGLALAAALPGAPLAPDPEATMDRSLQR---QDLFPR 50

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RESULT 31
US-08-276-967-2
; Sequence 2, Application US/08276967
; Patent No. 5851817
; GENERAL INFORMATION:
; APPLICANT: Hardy, Daniel M.
; TITLE OF INVENTION: Species-Specific Egg-Binding Proteins of
; TITLE OF INVENTION: Sperm
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P. O. Box 4433

```

```

; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/276,967
; FILING DATE: Submitted Herewith
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Kitchell, Barbara S.
; REGISTRATION NUMBER: 33,928
; REFERENCE/DOCKET NUMBER: UTSD:418/KIT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 713-787-1400
; TELEFAX: 713-789-2679
; TELETYPE: 79-0924
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2476 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-276-967-2

```

```

Query Match 13.2%; Score 59.5; DB 2; Length 2476;
Best Local Similarity 26.2%; Pred. No. 2.4e+02;
Matches 17; Conservative 7; Mismatches 24; Indels 17; Gaps 3;

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```

QY 20 CSQGAASQPDLDLASRRLLQALALPHRSG---VSRWRTFYNPC-----P 64
DB 1100 CVEGCECDPGLVSLGQCVSRSECGCIDSTAGYKVGSRW--FKPGCQLCCEGNRTR 1157

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QY 65 CLRWR 69
DB 1158 CVLWR 1162

```

```

RESULT 32
US-09-252-991A-17041
; Sequence 17041, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 17041
; LENGTH: 211
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-17041

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Query Match 13.1%; Score 59; DB 4; Length 211;
Best Local Similarity 30.0%; Pred. No. 12;
Matches 21; Conservative 7; Mismatches 20; Indels 22; Gaps 4;

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QY 3 VSQIHCAALIGLALICSGGAASQPDLDLASRRLLQALALPHRSGVSRW-RTFY 61
DB 27 ISSLYCGSIMPLGRTRCSAGFCA-----ASMRNLLRA-----WSRTSWP 66

```

QY 62 NCPCLRWRPR 71  
Db 67 T-PAMSWRNR 75

RESULT 33

US-09-489-039A-11078  
; Sequence 11078, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; FILE REFERENCE: 2709.2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; PRIOR FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 11078  
; LENGTH: 268  
; TYPE: PRT  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-11078

Query Match 13.1%; Score 59; DB 4; Length 268;  
Best Local Similarity 34.4%; Pred. No. 16;  
Matches 21; Conservative 3; Mismatches 15; Indels 22; Gaps 4;

QY 27 QPDLDLA-SRRLQRLA-----AALPHRSGVSEWRTPYPC-----PCLRW 68  
Db 130 RPELGALLRLQLRLQRLDLPVDALGVPLMHR---RRRRGYNCDELCPRLARW 185  
QY 69 R 69  
Db 186 R 186

RESULT 34

US-09-252-991A-20584  
; Sequence 20584, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; PRIOR FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 20584  
; LENGTH: 358  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-20584

Query Match 13.1%; Score 59; DB 4; Length 358;  
Best Local Similarity 28.6%; Pred. No. 24;  
Matches 22; Conservative 15; Mismatches 20; Indels 20; Gaps 4;

QY 4 SQIHICALALIGLAL---AICSGAASQPDLDLASRRLQRLAALPHRSGVSEWRTPY 60  
Db 240 SPLKCSAAMPVAMSWVLAASASASRP-----TAQPALATPRPNVARSQARTMH 291  
QY 61 PNCPC-----LRWRPRK 72  
Db 292 -----CIGRIQLRRRPRK 304

RESULT 35

US-09-773-426A-10  
; Sequence 10, Application US/09773426A  
; Patent No. 6534302  
; GENERAL INFORMATION:  
; APPLICANT: Glucksmann, Maria Alexandra  
; APPLICANT: Williamson, Mark  
; APPLICANT: Tsia, Fong-Ying  
; APPLICANT: Rudolph-Owen, Laura A.  
; TITLE OF INVENTION: 22438, 23553, 25278, and 26212 No. 6534302e1  
; FILE REFERENCE: 35800/208398(5800-79  
; CURRENT APPLICATION NUMBER: US/09/773,426A  
; PRIOR FILING DATE: 2001-01-31  
; PRIOR APPLICATION NUMBER: US 09/495,823  
; NUMBER OF SEQ ID NOS: 14  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 10  
; LENGTH: 520  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Pfam consensus sequence for human sulfatase  
US-09-773-426A-10

Query Match 13.1%; Score 59; DB 4; Length 520;  
Best Local Similarity 28.7%; Pred. No. 38;  
Matches 25; Conservative 8; Mismatches 38; Indels 16; Gaps 2;

QY 3 VSQIHICALALIGLALAI--CSQ--GAASQPDLDLASRRLQRLAALP-----HRSGVS 53  
Db 388 VSHVDLAPTIIDLAGAPLEKVAANGAKDRPLDGVSLPULLGGAAPSRAHETLFTYNGKG 447  
QY 54 ERWRTFYPCCLRWPRKVKGPQLKA 80  
Db 448 RKLK-----AVRWPRKSGKTPKXKA 467

RESULT 36

US-09-252-991A-30362  
; Sequence 30362, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; PRIOR FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 30362  
; LENGTH: 138  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-30362

Query Match 13.0%; Score 58.5; DB 4; Length 138;  
Best Local Similarity 27.4%; Pred. No. 8.2;  
Matches 23; Conservative 10; Mismatches 34; Indels 17; Gaps 5;

QY 4 SQIHICALALIGLALAI--CSQ--GAASQPDLDLASR-----LLQRLAALPHR--SGV 52  
Db 4 SSARCACRTVISISSAMPRCASPFPMACSPRANCASWRSPATTTTATPTSAFGRTCSST 63  
QY 53 SERWRT-----FYPCCLRWPR 70  
Db 64 GRWKTCKRKSSPSWPPCCTTRFRP 87

RESULT 37  
US-09-252-991A-26199  
; Sequence 26199, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; PRIOR FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 26199  
; LENGTH: 153  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-26199

Query Match 13.0%; Score 58.5; DB 4; Length 153;  
Best Local Similarity 33.3%; Pred. No. 9.4;  
Matches 21; Conservative 3; Mismatches 24; Indels 15; Gaps 3;

OY 20 CSOGAASQPDLDLASRRLQALAAALPHRSVSEWRWTFYPNC-----PCLRWPRKV 73  
Db 57 CWPGAASRP-----ACWPAATRCSCASAPVSPGNCRR-----PNCGSCRPPPPSRMPPPAS 107  
OY 74 KGP 76  
Db 108 AGP 110

RESULT 38  
US-09-252-991A-26405  
; Sequence 26405, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 26405  
; LENGTH: 214  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-26405

Query Match 13.0%; Score 58.5; DB 4; Length 214;  
Best Local Similarity 32.5%; Pred. No. 14;  
Matches 13; Conservative 3; Mismatches 11; Indels 13; Gaps 1;

OY 45 ALPHRSVSEWRWTFYPNC-----PCLRWPR 71  
Db 108 ALPRTAGARRWASGYPPAPALPPASDSRGAPPLRWAPR 147

RESULT 39  
US-09-325-256-24  
; Sequence 24, Application US/09325256  
; Patent No. 6444793  
; GENERAL INFORMATION:  
; APPLICANT: PEPINSKY, R. BLAKE

; APPLICANT: BAKER, DARREN P.  
; APPLICANT: WEN, DINGYI  
; APPLICANT: WILLIAMS, KEVIN P.  
; APPLICANT: GARGER, ELLEN A.  
; APPLICANT: TAYLOR, FREDERICK R.  
; APPLICANT: GALDES, ALPHONSE  
; APPLICANT: PORTER, JEFFREY  
; TITLE OF INVENTION: HYDROPHOBICALLY-MODIFIED PROTEIN COMPOSITIONS AND  
; FILE REFERENCE: BIV-067.01  
; CURRENT APPLICATION NUMBER: US/09/325,256  
; PRIOR FILING DATE: 1999-06-03  
; PRIOR APPLICATION NUMBER: 60/099,800  
; PRIOR FILING DATE: 1998-09-10  
; PRIOR APPLICATION NUMBER: 60/078,935  
; PRIOR FILING DATE: 1998-03-20  
; PRIOR APPLICATION NUMBER: 60/089,685  
; PRIOR FILING DATE: 1998-06-17  
; PRIOR APPLICATION NUMBER: 60/067,423  
; PRIOR FILING DATE: 1997-12-03  
; PRIOR APPLICATION NUMBER: PCT/US98/25676  
; PRIOR FILING DATE: 1998-12-03  
; NUMBER OF SEQ ID NOS: 31  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 24  
; LENGTH: 396  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-325-256-24

Query Match 13.0%; Score 58.5; DB 4; Length 396;  
Best Local Similarity 30.0%; Pred. No. 31;  
Matches 21; Conservative 6; Mismatches 28; Indels 15; Gaps 2;

OY 8 CALALLGLALATCSOGAASQPDLDLASRRL-----QALAAALPHRSV--- 52  
Db 11 CCLALLALPAQSCGPRGPVGRRRYARKQVPLLYKQFVPGVPERTLGASGPAEGRVARG 70  
OY 53 SERWRTFYPN 62  
Db 71 SERFRDLVEN 80

RESULT 40  
US-09-704-917-17  
; Sequence 17, Application US/09704917  
; Patent No. 6616926  
; GENERAL INFORMATION:  
; APPLICANT: Biogen, Inc.  
; APPLICANT: Burkly, Linda  
; APPLICANT: Wang, Li Chun  
; TITLE OF INVENTION: METHODS OF MODULATING LIPID METABOLISM AND STORAGE  
; FILE REFERENCE: A069PCT  
; CURRENT APPLICATION NUMBER: US/09/704,917  
; CURRENT FILING DATE: 2000-11-02  
; PRIOR APPLICATION NUMBER: 60/122,640  
; PRIOR FILING DATE: 1999-03-03  
; PRIOR APPLICATION NUMBER: 60/124,446  
; PRIOR FILING DATE: 1999-03-15  
; NUMBER OF SEQ ID NOS: 22  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 17  
; LENGTH: 396  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-704-917-17

Query Match 13.0%; Score 58.5; DB 4; Length 396;  
Best Local Similarity 30.0%; Pred. No. 31;  
Matches 21; Conservative 6; Mismatches 28; Indels 15; Gaps 2;

OY 8 CALALLGLALATCSOGAASQPDLDLASRRL-----QALAAALPHRSV--- 52



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CY	53	SERWRTFFPN	62
		:	
Db	71	SERFRDLVFN	80

Search completed: May 6, 2004, 16:50:52  
Job time : 20.5622 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 6, 2004, 16:47:47 ; Search time 50.9356 Seconds

(without alignments)  
468,645 Million cell updates/sec

Title: US-09-727-739B-17

Perfect score: 450

Sequence: 1 MRVSIHCALALGLALAI.....RWRPRKVKGPQLKAKEDLER 86

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1140673 segs, 277566755 residues

Total number of hits satisfying chosen parameters: 1140673

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:\*

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2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep:\*

3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*

4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*

5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*

6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep:\*

7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*

8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*

9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep:\*

10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep:\*

11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:\*

12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep:\*

13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*

14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*

15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep:\*

16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep:\*

17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*

18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	450	100.0	86	US-09-727-739B-17	Sequence 17, Appl
2	450	100.0	111	US-09-727-739B-15	Sequence 15, Appl
3	353.5	78.6	87	US-09-727-739B-11	Sequence 11, Appl
4	353.5	78.6	115	US-09-727-739B-9	Sequence 9, Appl
5	122	27.1	25	US-09-727-739B-19	Sequence 19, Appl
6	119	26.4	120	US-09-727-739B-38	Sequence 38, Appl
7	110	24.4	25	US-09-727-739B-13	Sequence 13, Appl
8	91.5	20.3	114	US-09-727-739B-43	Sequence 43, Appl
9	85.5	19.0	88	US-09-727-739B-5	Sequence 5, Appl
10	85.5	19.0	114	US-09-727-739B-3	Sequence 3, Appl
11	83.5	18.6	116	US-09-727-739B-45	Sequence 45, Appl
12	81.5	18.1	506	US-10-425-114-51054	Sequence 51054, A
13	80.5	17.9	114	US-09-727-739B-41	Sequence 41, Appl
14	79.5	17.7	116	US-09-727-739B-48	Sequence 48, Appl
15	79.5	17.7	116	US-09-727-739B-49	Sequence 49, Appl

16	76.5	17.0	115	12	US-09-727-739B-44	Sequence 44, Appl
17	76	16.9	278	12	US-10-425-114-57204	Sequence 57204, A
18	76	16.9	432	12	US-10-425-114-59274	Sequence 59274, A
19	76	16.9	764	12	US-10-425-114-58924	Sequence 58924, A
20	73.5	16.3	624	12	US-10-282-122A-50512	Sequence 50512, A
21	72.5	16.1	246	12	US-10-425-114-44956	Sequence 44956, A
22	71.5	15.9	622	12	US-10-282-122A-49316	Sequence 49316, A
23	69.5	15.4	125	12	US-09-727-739B-37	Sequence 37, Appl
24	68.5	15.2	116	12	US-09-727-739B-47	Sequence 47, Appl
25	68	15.1	111	12	US-10-424-599-203551	Sequence 203551, A
26	67.5	15.0	95	9	US-09-864-761-41361	Sequence 41361, A
27	67	14.9	185	12	US-10-425-114-48958	Sequence 48958, A
28	66.5	14.8	252	12	US-10-425-114-61954	Sequence 61954, A
29	66.5	14.8	791	14	US-10-314-657-32	Sequence 32, Appl
30	65.5	14.6	116	12	US-09-727-739B-46	Sequence 46, Appl
31	65.5	14.6	513	9	US-09-833-745-63	Sequence 63, Appl
32	65.5	14.6	676	12	US-10-282-122A-51396	Sequence 51396, A
33	64	14.2	319	16	US-10-389-566-976	Sequence 976, App
34	64	14.2	397	12	US-10-424-599-259769	Sequence 259769, A
35	64	14.2	478	12	US-10-425-114-55345	Sequence 55345, A
36	63.5	14.1	326	12	US-10-425-114-64102	Sequence 64102, A
37	63.5	14.1	333	10	US-09-984-271-131	Sequence 131, App
38	63.5	14.1	333	12	US-09-984-276-131	Sequence 131, App
39	63	14.0	563	12	US-10-415-302-8	Sequence 8, Appl
40	63	14.0	563	12	US-10-415-302-18	Sequence 18, Appl
41	62.5	13.9	110	9	US-09-766-396-3	Sequence 3, Appl
42	62.5	13.9	110	13	US-10-062-375-3	Sequence 3, Appl
43	62.5	13.9	6842	16	US-10-461-194-131	Sequence 131, App
44	62	13.8	833	9	US-09-470-276-54	Sequence 54, Appl
45	61.5	13.7	266	14	US-10-156-761-11183	Sequence 11183, A

## ALIGNMENTS

RESULT 1

US-09-727-739B-17

Sequence 17, Application US/09727739B

Publication No. US20010025097A1

GENERAL INFORMATION:

APPLICANT: Sheridan, Mark

APPLICANT: Kitilson, Jeffrey

APPLICANT: Moore, Craig

TITLE OF INVENTION: Somatostatins and Methods

FILE REFERENCE: 255.00040101

CURRENT APPLICATION NUMBER: US/09/727, 739B

CURRENT FILING DATE: 2000-12-01

PRIOR APPLICATION NUMBER: US 60/168, 934

PRIOR FILING DATE: 1999-12-03

NUMBER OF SEQ ID NOS: 52

SOFTWARE: PatentIn version 3.0

SEQ ID NO 17

LENGTH: 86

TYPE: PRT

ORGANISM: Oncomorhynchus mykiss

US-09-727-739B-17

Query Match 100.0%; Score 450; DB 12; Length 86;

Best Local Similarity 100.0%; Pred. No. 1e-45;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRVSIHCALALGLALAI...SGAASGAPDLDLASRL...LORALAAALPHRSVSESRWRTFY 60

Db 1 MRVSIHCALALGLALAI...SCGAASGAPDLDLASRL...LORALAAALPHRSVSESRWRTFY 60

QY 61 PNCPCLRWRPRKVKGPQLKAKEDLER 86

Db 61 PNCPCLRWRPRKVKGPQLKAKEDLER 86

RESULT 2

US-09-727-739B-15

Sequence 15, Application US/09727739B

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; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 15
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Oncorhynchus mykiss
US-09-727-739B-15
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Query Match      100.0%; Score 450; DB 12; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.4e-45;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY      1 MRVSQIHCAALIGLALAICSGAASQPDIDLASRRLQRAALALPHRSGVSEWRRTFY 60
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DB      1 MKVCRHICALALIGLALAICSGAASQPDIDLASRRLQRAALALPHRSGVSEWRRTFY 60
QY      61 PNCPCLRWRPRKYKGPQLKAKEDL 86
      |||:|||||
DB      61 PNCPCLRWRPRKYKGPQLKAKEDL 86
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RESULT 3
US-09-727-739B-11
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; Sequence 11, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Oncorhynchus mykiss
US-09-727-739B-11
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Query Match      78.6%; Score 353.5; DB 12; Length 87;
Best Local Similarity 86.9%; Pred. No. 3.1e-34;
Matches 73; Conservative 2; Mismatches 6; Indels 3; Gaps 2;
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QY      1 MRVSQIHCAALIGLALAICSGAASQPDIDLASRRLQRAALALPHRSGVSEWRRTFY 60
      |||:|||||
DB      1 MKVCRHICALALIGLALAICSGAASQPDIDLASRRLQRAALALPHRSGVSEWRRTFY 60
QY      61 PNCPCLRWRPRKYKGPQLKAKEDL 84
      |||:|||||
DB      61 PNCPCLRWRPRKYKGPQLKAKEDL 81
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RESULT 4
US-09-727-739B-9
; Sequence 9, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
```

```
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 9
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Oncorhynchus mykiss
US-09-727-739B-9
```

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Query Match      78.6%; Score 353.5; DB 12; Length 115;
Best Local Similarity 86.9%; Pred. No. 4.3e-34;
Matches 73; Conservative 2; Mismatches 6; Indels 3; Gaps 2;
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      |||:|||||
DB      1 MKVCRHICALALIGLALAICSGAASQPDIDLASRRLQRAALALPHRSGVSEWRRTFY 60
QY      61 PNCPCLRWRPRKYKGPQLKAKEDL 84
      |||:|||||
DB      61 PNCPCLRWRPRKYKGPQLKAKEDL 81
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```
RESULT 5
US-09-727-739B-19
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; Sequence 19, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 19
; LENGTH: 25
; TYPE: PRT
; ORGANISM: Oncorhynchus mykiss
US-09-727-739B-19
```

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Query Match      27.1%; Score 122; DB 12; Length 25;
Best Local Similarity 100.0%; Pred. No. 2.4e-07;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

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DB      1 MRVSQIHCAALIGLALAICSGAA 25
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```
RESULT 6
US-09-727-739B-38
; Sequence 38, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
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PRIOR FILING DATE: 1999-12-03  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 38  
LENGTH: 120  
TYPE: PRT  
ORGANISM: Carasius auratus  
US-09-727-739B-38

Query Match 26.4%; Score 119; DB 12; Length 120;  
Best Local Similarity 57.8%; Pred. No. 3.4e-06;  
Matches 26; Conservative 6; Mismatches 11; Indels 2; Gaps 1;

QY 1 MRVSIHCALALIGLALICSGAASQ--PDLDLASRRLQRLA 43  
DB 1 MRLCELHCYALIGLGLVLCGRCANSQLPDLPRHRLQRLA 45

## RESULT 7

US-09-727-739B-13  
Sequence 13, Application US/09727739B  
Publication No. US20010025097A1  
GENERAL INFORMATION:  
APPLICANT: Sheridan, Mark  
APPLICANT: Kittilson, Jeffrey  
TITLE OF INVENTION: Somatostatins and Methods  
FILE REFERENCE: 255.00040101  
CURRENT APPLICATION NUMBER: US/09/727,739B  
CURRENT FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: US 60/168,934  
PRIOR FILING DATE: 1999-12-03  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 13  
LENGTH: 25  
TYPE: PRT  
ORGANISM: Oncorhynchus mykiss  
US-09-727-739B-13

Query Match 24.4%; Score 110; DB 12; Length 25;  
Best Local Similarity 88.0%; Pred. No. 6.5e-06;  
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 MRVSIHCALALIGLALICSGAA 25  
DB 1 MKVCRHCALALIGLALICSGAA 25

## RESULT 8

US-09-727-739B-43  
Sequence 43, Application US/09727739B  
Publication No. US20010025097A1  
GENERAL INFORMATION:  
APPLICANT: Sheridan, Mark  
APPLICANT: Kittilson, Jeffrey  
TITLE OF INVENTION: Somatostatins and Methods  
FILE REFERENCE: 255.00040101  
CURRENT APPLICATION NUMBER: US/09/727,739B  
CURRENT FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: US 60/168,934  
PRIOR FILING DATE: 1999-12-03  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 43  
LENGTH: 114  
TYPE: PRT  
ORGANISM: Carasius auratus  
US-09-727-739B-43

Query Match 20.3%; Score 91.5; DB 12; Length 114;  
Best Local Similarity 54.8%; Pred. No. 0.006;

Matches 23; Conservative 5; Mismatches 11; Indels 3; Gaps 1;  
QY 1 MRVSIHCALALIGLALICSGAASQPDLDLASRRLQRLA 42  
DB 1 MLSTRVQCALALISLALAISSVSAAPS--PTDAKRLQLQRL 39

## RESULT 9

US-09-727-739B-5  
Sequence 5, Application US/09727739B  
Publication No. US20010025097A1  
GENERAL INFORMATION:  
APPLICANT: Sheridan, Mark  
APPLICANT: Kittilson, Jeffrey  
TITLE OF INVENTION: Somatostatins and Methods  
FILE REFERENCE: 255.00040101  
CURRENT APPLICATION NUMBER: US/09/727,739B  
CURRENT FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: US 60/168,934  
PRIOR FILING DATE: 1999-12-03  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 5  
LENGTH: 88  
TYPE: PRT  
ORGANISM: Oncorhynchus mykiss  
US-09-727-739B-5

Query Match 19.0%; Score 85.5; DB 12; Length 88;  
Best Local Similarity 52.3%; Pred. No. 0.023;  
Matches 23; Conservative 5; Mismatches 13; Indels 3; Gaps 1;

QY 1 MRVSIHCALALIGLALICSGAASQPDLDLASRRLQRLA 44  
DB 1 MLSTRVQCALALISLALAISSVSAAPS--DAKRLQLQRL 41

## RESULT 10

US-09-727-739B-3  
Sequence 3, Application US/09727739B  
Publication No. US20010025097A1  
GENERAL INFORMATION:  
APPLICANT: Sheridan, Mark  
APPLICANT: Kittilson, Jeffrey  
TITLE OF INVENTION: Somatostatins and Methods  
FILE REFERENCE: 255.00040101  
CURRENT APPLICATION NUMBER: US/09/727,739B  
CURRENT FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: US 60/168,934  
PRIOR FILING DATE: 1999-12-03  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 3  
LENGTH: 114  
TYPE: PRT  
ORGANISM: Oncorhynchus mykiss  
US-09-727-739B-3

Query Match 19.0%; Score 85.5; DB 12; Length 114;  
Best Local Similarity 52.3%; Pred. No. 0.031;  
Matches 23; Conservative 5; Mismatches 13; Indels 3; Gaps 1;

QY 1 MRVSIHCALALIGLALICSGAASQPDLDLASRRLQRLA 44  
DB 1 MLSTRVQCALALISLALAISSVSAAPS--DAKRLQLQRL 41

## RESULT 11

US-09-727-739B-45  
Sequence 45, Application US/09727739B  
Publication No. US20010025097A1

```
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 45
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Gallus gallus
US-09-727-739B-45
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Query Match 18.6%; Score 83.5; DB 12; Length 116;
Best Local Similarity 37.3%; Pred. No. 0.055;
Matches 31; Conservative 14; Mismatches 25; Indels 13; Gaps 5;
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OY 5 QIHGALALLGLALAI-CSGGAASQPDLDLASRRLLQALAAALPHRSGVSEWRWTFYPNC 63
DB 5 RLOCCALALLSIVLAVGTVSAAPSDPRL-----RQFLQKSLAAA-----AGKQELAKYFLAE- 55

OY 64 PCLRWPRKVKGPQLKAKEDLER 86
DB 56 --LLSEPSQTEALEE-EDLSR 75
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RESULT 12
US-10-425-114-51054
; Sequence 51054, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovacic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 51054
; LENGTH: 506
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB143-003-B4_FLI.pep
US-10-425-114-51054
```

```
Query Match 18.1%; Score 81.5; DB 12; Length 506;
Best Local Similarity 35.4%; Pred. No. 0.53;
Matches 34; Conservative 11; Mismatches 32; Indels 19; Gaps 6;
```

```
OY 4 SQIHGALA-----ILGLALAI-CSGGAASQPDLDLASRRLLQALAAALPHRSG 51
DB 55 NQPHRSIARLAKTHGPIVSLRLGSVTTVVASSP---AAAREILQRHDAAFSNRSVPDAPG 111

OY 52 VSEWRWTFY-PNCPCLRWPR-RKVKGPQLKAKEDLE 85
DB 112 AHAANSTVWLPNAP--RWRALRKIMGTQLFAPHRLD 145
```

```
RESULT 13
US-09-727-739B-41
; Sequence 41, Application US/09727739B
; Publication No. US20010025097A1
```

```
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 41
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Ictalurus punctatus
US-09-727-739B-41
```

```
Query Match 17.9%; Score 80.5; DB 12; Length 114;
Best Local Similarity 46.7%; Pred. No. 0.12;
Matches 21; Conservative 8; Mismatches 11; Indels 5; Gaps 2;
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```
OY 1 MRVSIHICALALLGLALAI-CSGGAASQPDLDLASRRLLQALAAALPHRSGVSEWRWTFYPNC 44
DB 1 MSTRIOCALALIALVALSVCSVSGAPS-----DAKLROFLQRSILA 41
```

```
RESULT 14
US-09-727-739B-48
; Sequence 48, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 48
; LENGTH: 116
; TYPE: PRT
; ORGANISM: Macaca fascicularis
US-09-727-739B-48
```

```
Query Match 17.7%; Score 79.5; DB 12; Length 116;
Best Local Similarity 34.9%; Pred. No. 0.16;
Matches 29; Conservative 13; Mismatches 28; Indels 13; Gaps 5;
```

```
OY 5 QIHGALALLGLALAI-CSGGAASQPDLDLASRRLLQALAAALPHRSGVSEWRWTFYPNC 63
DB 5 RLOCCALALLSIVLAVGTVGAPSDPRL-----RQFLQKSLAAA-----AGKQELAKYFLAE- 55

OY 64 PCLRWPRKVKGPQLKAKEDLER 86
DB 56 --LLSEPNQTEALE-EDLSQ 75
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```
RESULT 15
US-09-727-739B-49
; Sequence 49, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
```



RESULT 19  
US-10-425-114-58924  
; Sequence 58924, Application US//10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jindong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaska, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53313)B  
; CURRENT APPLICATION NUMBER: US//10/425, 114

;; CURRENT FILING DATE: 2003-04-28  
;; NUMBER OF SEQ ID NOS: 73128  
;; SEQ ID NO 58924  
;; LENGTH: 764  
;; TYPE: PRT  
;; ORGANISM: Zea mays  
;; FEATURE:  
;; OTHER INFORMATION: Clone ID: 700350643\_FLI.pep  
US-10-425-114-58924

Query Match 16.9%; Score 76; DB 12; Length 764;  
Best Local Similarity 33.9%; Pred. No. 3.9;  
Matches 20; Conservative 12; Mismatches 25; Indels 2; Gaps 2;

QY 6 IHGALALGLALAI CSQAASQPDLDLASRRLQALAAALPHRSVSEKRWRT-FYPNC 63  
DB 159 VHCCLATATACIKSEGGSS-ASLVLTSSQKKQSRSLSVLAHLSSVDDTVKSCLOPHC 216

RESULT 20

US-10-282-122A-50512  
; Sequence 50512, Application US/10282122A  
; Publication No. US20040029129A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyskind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELITRA.034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347  
; PRIOR FILING DATE: 2000-09-09  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/267,636  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 78614  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 50512  
; LENGTH: 624  
; TYPE: PRT  
; ORGANISM: Burkholderia mallei  
US-10-282-122A-50512

Query Match 16.3%; Score 73.5; DB 12; Length 624;  
Best Local Similarity 36.8%; Pred. No. 6;  
Matches 21; Conservative 3; Mismatches 16; Indels 17; Gaps 1;

QY 9 ALALGLALAI CSQAASQPDLDLASRRLQALAAALPHRSVSEKRWRT-FYPN 48  
DB 282 ALAQLGFPNAVATLGTACTPIHVQKLRQTDTVFSFDGDAGRRAARALAEACLP 338

RESULT 21

US-10-425-114-44956  
; Sequence 44956, Application US/10425114  
; Publication No. US20040034888A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E  
; APPLICANT: Tabaska, Jack E  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 44956  
; LENGTH: 246  
; TYPE: PRT  
; ORGANISM: Zea mays  
; FEATURE:  
; OTHER INFORMATION: Clone ID: 700446989\_FLI.pep  
US-10-425-114-44956

Query Match 16.1%; Score 72.5; DB 12; Length 246;  
Best Local Similarity 32.8%; Pred. No. 2.7;  
Matches 22; Conservative 7; Mismatches 31; Indels 7; Gaps 2;

QY 8 CALALIGL-----ALAI CSQAASQPDLDLASRRLQALAAALPHRSVSEKRWRT-FYPN 62  
DB 180 CPLASLPVLPWCFSTAI CSSRSARRRGFDGMALC--SATAAVPSFSSCSSRFLASCR 237

QY 63 CPCLRW 69  
DB 238 CPCFPWR 244

RESULT 22

US-10-282-122A-49316  
; Sequence 49316, Application US/10282122A  
; Publication No. US20040029129A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyskind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELITRA.034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A  
; CURRENT FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347

PRIOR FILING DATE: 2000-09-09  
PRIOR APPLICATION NUMBER: 60/242,578  
PRIOR FILING DATE: 2000-10-23  
PRIOR APPLICATION NUMBER: 60/253,625  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/257,931  
PRIOR FILING DATE: 2000-12-22  
PRIOR APPLICATION NUMBER: 60/267,636  
PRIOR FILING DATE: 2001-02-09  
PRIOR APPLICATION NUMBER: 60/269,308  
PRIOR FILING DATE: 2001-02-16  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 78614  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 49316  
LENGTH: 622  
TYPE: PRT  
ORGANISM: Burkholderia fungorum  
US-10-282-122A-49316

Query Match 15.9%; Score 71.5; DB 12; Length 622;  
Best Local Similarity 36.8%; Pred. No. 10;  
Matches 21; Conservative 3; Mismatches 16; Indels 17; Gaps 1;

QY 9 ALALLGLALAIICSGAASQ-----DLDLASRRLLQALAAALPH 48  
DB 280 ALAQLGFQNAVATLGTACTPIHVQKLMRQTDVIFSFQDSAGRAARALDACLPH 336

RESULT 23  
US-09-727-739B-37  
Sequence 37, Application US/09727739B  
Publication No. US20010025097A1  
GENERAL INFORMATION:  
APPLICANT: Sheridan, Mark  
APPLICANT: Kittleison, Jeffrey  
TITLE OF INVENTION: Somatostatins and Methods  
FILE REFERENCE: 255.00040101  
CURRENT APPLICATION NUMBER: US/09/727,739B  
CURRENT FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: US 60/168,934  
PRIOR FILING DATE: 1999-12-03  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 37  
LENGTH: 125  
TYPE: PRT  
ORGANISM: Lophius americanus  
US-09-727-739B-37

Query Match 15.4%; Score 69.5; DB 12; Length 125;  
Best Local Similarity 36.1%; Pred. No. 2.8;  
Matches 22; Conservative 7; Mismatches 17; Indels 15; Gaps 3;

QY 6 IHICALALLGLALAIICSGAASQ-----PDLDLASRR--LLORALAAALPHRSVSR 55  
DB 4 IRCPAIALALALVLCGSPVSQDLREQSDNDLDLELRQHMLLERARSAGL-----LSQE 58

QY 56 W 56  
DB 59 W 59

RESULT 24  
US-09-727-739B-47  
Sequence 47, Application US/09727739B  
Publication No. US20010025097A1  
GENERAL INFORMATION:  
APPLICANT: Sheridan, Mark  
APPLICANT: Kittleison, Jeffrey  
APPLICANT: Moore, Craig  
TITLE OF INVENTION: Somatostatins and Methods

FILE REFERENCE: 255.00040101  
CURRENT APPLICATION NUMBER: US/09/727,739B  
CURRENT FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: US 60/168,934  
PRIOR FILING DATE: 1999-12-03  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 47  
LENGTH: 116  
TYPE: PRT  
ORGANISM: Bos taurus  
US-09-727-739B-47

Query Match 15.2%; Score 68.5; DB 12; Length 116;  
Best Local Similarity 45.2%; Pred. No. 3.3;  
Matches 19; Conservative 7; Mismatches 11; Indels 5; Gaps 2;

QY 5 QIHICALALLGLALAIICSGAASQPDLDLASRRLLQALAAA 45  
DB 5 RLQCALAALSLVLAIGVGTGAPSDPRL-----RQFLQKSLAAA 42

RESULT 25  
US-10-424-599-203551  
Sequence 203551, Application US/10424599  
Publication No. US20040031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa Thomas J  
APPLICANT: Kovalic David K  
APPLICANT: Zhou Yihua  
APPLICANT: Cao Yongwei  
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with  
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(53223)B  
CURRENT APPLICATION NUMBER: US/10/424,599  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 285684  
SEQ ID NO 203551  
LENGTH: 111  
TYPE: PRT  
ORGANISM: Glycine max  
FEATURE:  
OTHER INFORMATION: Clone ID: PAT\_MRT3847\_25832C.1.pep  
US-10-424-599-203551

Query Match 15.1%; Score 68; DB 12; Length 111;  
Best Local Similarity 47.2%; Pred. No. 3.6;  
Matches 17; Conservative 3; Mismatches 16; Indels 0; Gaps 0;

QY 7 HCALALLGLALAIICSGAASQPDLDLASRRLLQAL 42  
DB 6 HKATLVGLYLDIAISTGAAGSKSLDLYGKRILNIDL 41

RESULT 26  
US-09-864-761-41361  
Sequence 41361, Application US/09864761  
Patent No. US20020048763A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
APPLICANT: Chen, Wensheng  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
FILE REFERENCE: Aeomica-X-1  
CURRENT APPLICATION NUMBER: US/09/864,761  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632,366

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PRIORITY FILING DATE: 2000-08-03
PRIORITY APPLICATION NUMBER: GB 24263.6
PRIORITY FILING DATE: 2000-10-04
PRIORITY APPLICATION NUMBER: US 60/236,359
PRIORITY FILING DATE: 2000-09-27
PRIORITY APPLICATION NUMBER: PCT/US01/00666
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00667
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00664
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00669
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00665
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00668
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00663
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00662
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00661
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: PCT/US01/00670
PRIORITY FILING DATE: 2001-01-30
PRIORITY APPLICATION NUMBER: US 60/234,687
PRIORITY FILING DATE: 2000-09-21
PRIORITY APPLICATION NUMBER: US 09/608,408
PRIORITY FILING DATE: 2000-06-30
PRIORITY APPLICATION NUMBER: US 09/774,203
PRIORITY FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 41361
LENGTH: 95
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AL121914.16
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.5
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 2.8
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 2.4
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.7
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.8
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.5
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.9
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.5
US-09-864-761-41361

```

```
Query Match          15.0%; Score 67.5; DB 9; Length 95;  
Best Local Similarity    27.7%; Pred. No. 3.5;  
Matches      23; Conservative   11; Mismatches     20; Indels    29; Gaps       4;
```

QY 10 LALLGLALAI-----CSOGAASQPDDLDLASRRLQLRALAAALPHRSQVSE 54  
||| | : :  
LALLYLSLRVNRLLRGNPAYLTAGSTLGSSKPSAHFTA-----ASAASP RSSIRA 55

Dd 2

QY 55 RW----RTFYPCNCPCLRWRPRX 72  
| : : | ||| :  
SMSSWMDRSWMTRC--AWRPXR 75

Dd 56

RESULT 27  
US-10-425-114-48958  
Sequence 48958, Application US/10425114  
Publication No. US2004003488BA1  
GENERAL INFORMATION:  
APPLICANT: Liu, Jingdong  
APPLICANT: Zhou, Yihua  
APPLICANT: Kovalic, David K.  
APPLICANT: Screen, Steven E  
APPLICANT: Tabaska, Jack F  
APPLICANT: Cao, Yongwei

```

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 48958
; LENGTH: 185
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3689-240-A9_FLI.pep
US-10-425-114-48958

Query Match          14.9%; Score 67; DB 12; Length 185;
Best Local Similarity 37.9%; Pred. No. 8.7;
Matches 22; Conservative 6; Mismatches 22; Indels 8; Gaps 3;

QY      33 ASRRLLQALAAALPHR-SGVSESRWRTFYVNCPLRMRPRKYKGP---QLKAKEDLER 86
      |||:|||||  |||  |||  |||  |||  |||  |||  |||  |||  |||
Db      70 AGRRLVQRLTPARDHRVVGALFNHRAICPR---RRKPDMIIRPAAVAEVKKKEGKRR 123

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```

RESULT 28
US-10-425-114-61954
; Sequence 61954, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jindong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 61954
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLB73407G03_F11.pep
US-10-425-114-61954

Query Match      14.8%; Score 66.5; DB 12; length 252;
Best local Similarity 37.3%; Pred. No. 14;
Matches 22; Conservative 3; Mismatches 25; Indels 9; Gaps 4;

QY      16 ALAICS-QGAASQPDLDLASRR--LIGRALAAALPHRSGVSEKRTFFYPNCPCLRWRPR 71
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
Db      22 AVPWCSLIGPCAPADYSSSSRRPLCLARIVVPLPGFPYARARWR-----CPCSAW-PR 74

RESULT 29
US-10-314-657-32
; Sequence 32, Application US/10314657
; Publication No. US20030175888A1
; GENERAL INFORMATION:
; APPLICANT: SHEN, Ben
; APPLICANT: CHENG, Yi-Qiang
; APPLICANT: TANG, Gong-Li
; TITLE OF INVENTION: Discrete Acyltransferases Associated with Type I Polyketide
; TITLE OF INVENTION: Synthases and Methods of Use
; FILE REFERENCE: 054030-0021
; CURRENT APPLICATION NUMBER: US/10/314,657
; CURRENT FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: PCT/US02/08937
; PRIOR FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: US 60/278,935

```

; PRIOR FILING DATE: 2001-03-26  
; NUMBER OF SEQ ID NOS: 214  
; SOFTWARE: Patentin version 3.2  
; SEQ ID NO 32  
; LENGTH: 791  
; TYPE: PRT  
; ORGANISM: Streptomyces atroolivaceus  
US-10-314-657-32

Query Match 14.6%; Score 66.5; DB 14; Length 791;  
Best Local Similarity 33.3%; Pred. No. 54;  
Matches 23; Conservative 9; Mismatches 26; Indels 11; Gaps 2;

QY 12 LIGLALAIICSO--GAASQPDLDLASRRLQALAAALPHRSVSESRWRTFY----- 60  
DB 644 LIGRDALTAPYAFGLQEGDTELVDPRPLVRAIADLARGTGVTDISRFRHSTVDMV 703

QY 61 PNCPCLRWR 69  
DB 704 KRCSALRER 712

RESULT 30  
US-09-727-739B-46  
; Sequence 46, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kittilson, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatins and Methods  
; FILE REFERENCE: 255,00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; PRIOR FILING DATE: 2000-12-01  
; PRIOR APPLICATION NUMBER: US 60/168,934  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 46  
; LENGTH: 116  
; TYPE: PRT  
; ORGANISM: Rattus norvegicus  
US-09-727-739B-46

Query Match 14.6%; Score 65.5; DB 12; Length 116;  
Best Local Similarity 45.2%; Pred. No. 7.6;  
Matches 19; Conservative 7; Mismatches 11; Indels 5; Gaps 2;

QY 5 CIIICALALLGLAALICS--QGAASQPDLDLASRRLQALAAA 45  
DB 5 RIQCALAALCIVLALGVGTGAPSDPRL---RQFLQKSLAAA 42

RESULT 31  
US-09-833-745-63  
; Sequence 63, Application US/09833745  
; Patent No. US20020052038A1  
; GENERAL INFORMATION:  
; APPLICANT: ROBERTS, JOSEPH  
; APPLICANT: SETHURAMAN, NATARAJAN  
; APPLICANT: MACALLISTER, THOMAS  
; TITLE OF INVENTION: CLONING, OVEREXPRESSION AND THERAPEUTIC USE OF  
; TITLE OF INVENTION: BIOACTIVE HISTIDINE AMMONIA LYASE  
; FILE REFERENCE: 078728/0106  
; CURRENT APPLICATION NUMBER: US/09/833,745  
; PRIOR FILING DATE: 2001-04-13  
; PRIOR APPLICATION NUMBER: 60/197,770  
; PRIOR FILING DATE: 2000-04-14  
; NUMBER OF SEQ ID NOS: 66  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 63  
; LENGTH: 513  
; TYPE: PRT

; ORGANISM: Rhizobium meliloti  
US-09-833-745-63

Query Match 14.6%; Score 65.5; DB 9; Length 513;  
Best Local Similarity 38.2%; Pred. No. 43;  
Matches 21; Conservative 5; Mismatches 24; Indels 5; Gaps 1;

QY 4 SQIHCALALLGLAL-----AICSGAASQPDLDLASRRLQALAAALPHRSVGS 53  
DB 330 SQAHVGAALGLAMDSLAVAVAEVAIISERRIDRLVNPVLSRGLPAFLAGDSGVS 384

RESULT 32  
US-10-282-122A-51396  
; Sequence 51396, Application US/10282122A  
; Publication No. US20040029129A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zykkind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELITRA.034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A  
; PRIOR FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347  
; PRIOR FILING DATE: 2000-09-09  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/267,636  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 78614  
; SOFTWARE: Patentin version 3.1  
; SEQ ID NO 51396  
; LENGTH: 676  
; TYPE: PRT  
; ORGANISM: Bordetella pertussis  
US-10-282-122A-51396

Query Match 14.6%; Score 65.5; DB 12; Length 676;  
Best Local Similarity 34.5%; Pred. No. 59;  
Matches 19; Conservative 5; Mismatches 14; Indels 17; Gaps 1;

QY 10 LALIGLALAIICSGAASQPDLDLASRRLQALAAALPHRSVGS 47  
DB 270 LALOGIANAVATLGTSTPDHVKKLLRASDKVIFSPDGAAGRRAWRALQACLP 324

RESULT 33  
US-10-389-566-976



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; Sequence 976, Application US/10389566
; Publication No. US20040025202A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology, LLC
; APPLICANT: Laurie, Cathy C
; TITLE OF INVENTION: Nucleic Acid Molecules Associated with Oil in Plants
; FILE REFERENCE: 38-77(52900)D
; CURRENT APPLICATION NUMBER: US/10/389,566
; PRIOR FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: US 60/365,301
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: US 60/391,786
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/392,018
; NUMBER OF SEQ ID NOS: 2459
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 976
; LENGTH: 319
; TYPE: PRT
; ORGANISM: Triticum aestivum
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)..(1)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (5)..(5)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (277)..(277)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (294)..(294)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; US-10-389-566-976

Query Match
Best Local Similarity 14.2%; Score 64; DB 16; Length 319;
Matches 22; Conservative 8; Mismatches 24; Indels 22; Gaps 4;

QY 15 LALAISQGA-----SQPDLDLASRLQRLAALPHRSVSESRWTFYPNCPG---- 65
Db 2 LSMXLCSLHNASLQSGCHPRLSSVRAELCMQAIKXNL-----DRWM-----CGCREVM 49
QY 66 -LRWRPRKVKGPQLKA 80
Db 50 HAMWRPQKFKGIYLM 65

RESULT 34
US-10-424-599-259769
; Sequence 259769, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 259769
; LENGTH: 397
; TYPE: PRT
```

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; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(397)
; OTHER INFORMATION: unsure at all Xaa locations
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_76597C.1.pap
; US-10-424-599-259769

Query Match
Best Local Similarity 14.2%; Score 64; DB 12; Length 397;
Matches 16; Conservative 8; Mismatches 23; Indels 8; Gaps 2;

QY 23 GAASQPDLDLASRL--LQRLAALPHRSVSESRWTFYPNCPCLWRPRKVK 74
Db 143 GRVGPTDLIDPRRVENIISGTSMSCPHASGIALLRKAYP-----EWSFAIK 192

RESULT 35
US-10-425-114-55345
; Sequence 55345, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 55345
; LENGTH: 478
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: JC-GMLE01810080F07_FLI.pap
; US-10-425-114-55345

Query Match
Best Local Similarity 14.2%; Score 64; DB 12; Length 478;
Matches 16; Conservative 8; Mismatches 23; Indels 8; Gaps 2;

QY 23 GAASQPDLDLASRL--LQRLAALPHRSVSESRWTFYPNCPCLWRPRKVK 74
Db 225 GRVGPTDLIDPRRVENIISGTSMSCPHASGIALLRKAYP-----EWSFAIK 274

RESULT 36
US-10-425-114-64102
; Sequence 64102, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 64102
; LENGTH: 326
; TYPE: PRT
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;/ CURRENT FILING DATE: 2003-08-29  
;/ NUMBER OF SEQ ID NOS: 22  
;/ SOFTWARE: PatentIn version 3.1  
;/ SEQ ID NO 18  
;/ LENGTH: 563  
;/ TYPE: PRT  
;/ ORGANISM: Artificial  
;/ FEATURE:  
;/ OTHER INFORMATION: Expression Cassette  
US-10-415-302-18

Query Match 14.0%; Score 63; DB 12; Length 563;  
Best Local Similarity 40.3%; Pred. No. 95;  
Matches 25; Conservative 3; Mismatches 28; Indels 6; Gaps 3;  
QY 9 ALALIG-LALAICSGAASQPDLDLASRLLQRAALAAALPHRSVSESRWRTFYPCPCLR 67  
DB 486 AQALPGVLTNLSIAAEGEAHAPDADLIDARGL--AAKRLDARPGTSYLLRP--DQHWCAR 540  
QY 68 WR 69  
DB 541 WR 542

Search completed: May 6, 2004, 17:05:54  
Job time : 51.9356 secs

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OM protein - protein search, using sw model

Run on: May 6, 2004, 16:44:09 ; Search time 2.50215 Seconds

(without alignments)  
226.959 Million cell updates/sec

Title: US-09-727-739B-18

Perfect score: 58

Sequence: 1 SVDNLPERRK 11

Scoring table: BLOSUM62

Searched: 389414 segs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:\*  
1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep:\*  
2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep:\*  
3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep:\*  
4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/ptodata/2/iaa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	41	70.7	94	4	US-09-621-976-6221 Sequence 6221, Ap
2	39	67.2	186	4	US-09-543-681A-5892 Sequence 5892, Ap
3	39	67.2	219	3	US-09-247-373B-52 Sequence 52, Appl
4	39	67.2	224	3	US-09-247-373B-34 Sequence 34, Appl
5	39	67.2	248	4	US-09-134-001C-5085 Sequence 5085, Ap
6	38	65.5	33	4	US-09-050-516-46 Sequence 46, Appl
7	38	65.5	33	4	US-10-278-547-46 Sequence 46, Appl
8	38	65.5	1586	4	US-09-543-681A-5329 Sequence 5329, Ap
9	37	63.8	181	4	US-09-134-000C-3518 Sequence 3518, Ap
10	37	63.8	424	6	5169835-6 Patent No. 5169835
11	37	63.8	1291	4	US-09-252-991A-19504 Sequence 19504, A
12	36	62.1	273	4	US-09-134-001C-3917 Sequence 3917, Ap
13	36	62.1	289	4	US-09-252-991A-19544 Sequence 19544, A
14	36	62.1	392	4	US-09-491-577-90 Sequence 90, Appl
15	36	62.1	888	4	US-09-540-236-2916 Sequence 2916, Ap
16	36	62.1	892	4	US-09-328-352-8164 Sequence 8164, Ap
17	36	62.1	2496	3	US-09-125-028-2 Sequence 2, Appli
18	36	62.1	2958	3	US-08-894-344C-2 Sequence 2, Appli
19	35	60.3	184	4	US-09-252-991A-32941 Sequence 32941, A
20	35	60.3	230	6	5169835-13 Patent No. 5169835
21	35	60.3	291	4	US-09-107-532A-6390 Sequence 6390, Ap
22	35	60.3	398	4	US-09-252-991A-17379 Sequence 17379, A
23	35	60.3	398	4	US-09-489-039A-10613 Sequence 10613, A
24	35	60.3	398	4	US-09-688-188B-30 Sequence 30, Appl
25	35	60.3	398	4	US-09-291-417D-30 Sequence 30, Appl
26	35	60.3	409	4	US-09-533-029-104 Sequence 104, App
27	35	60.3	419	6	5169835-2 Patent No. 5169835

28	35	60.3	591	3	US-09-082-737-2	Sequence 2, Appli
29	35	60.3	591	4	US-09-688-188B-103	Sequence 103, App
30	35	60.3	591	4	US-09-718-032-2	Sequence 2, Appli
31	35	60.3	591	4	US-09-291-417D-103	Sequence 103, App
32	35	60.3	709	4	US-09-252-991A-21993	Sequence 21993, A
33	34	58.6	203	4	US-09-489-039A-7840	Sequence 7840, Ap
34	34	58.6	215	4	US-09-050-516-47	Sequence 47, Appl
35	34	58.6	215	4	US-10-278-547-47	Sequence 47, Appl
36	34	58.6	223	3	US-08-857-534-12	Sequence 12, Appl
37	34	58.6	223	5	PCT-US95-04971-12	Sequence 12, Appl
38	34	58.6	229	3	US-09-247-373B-48	Sequence 48, Appl
39	34	58.6	234	4	US-09-543-681A-6224	Sequence 6224, Ap
40	34	58.6	304	4	US-09-252-991A-32653	Sequence 32653, A
41	34	58.6	305	4	US-09-134-001C-5632	Sequence 5632, Ap
42	34	58.6	323	4	US-09-543-681A-5244	Sequence 5244, Ap
43	34	58.6	357	4	US-09-345-236B-49	Sequence 49, Appl
44	34	58.6	361	1	US-08-258-261B-3	Sequence 3, Appli
45	34	58.6	361	1	US-08-456-837-3	Sequence 3, Appli

#### ALIGNMENTS

RESULT 1  
US-09-621-976-6221

Sequence 6221, Application US/09621976  
Patent No. 6639063

GENERAL INFORMATION:

APPLICANT: Dumas Milne Edwards, J.B.

APPLICANT: Jobert, S.

APPLICANT: Giordano, J.Y.

TITLE OF INVENTION: ESTs and Encoded Human Proteins.

FILE REFERENCE: GENSET.054PR2

CURRENT APPLICATION NUMBER: US/09/621,976

CURRENT FILING DATE: 2000-07-21

NUMBER OF SEQ ID NOS: 19335

SOFTWARE: Patent.pm

SEQ ID NO 6221

LENGTH: 94

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: UNSURE

LOCATION: 86

OTHER INFORMATION: Xaa = Lys,Arg

NAME/KEY: UNSURE

LOCATION: 78

OTHER INFORMATION: Xaa = Pro,Ser

US-09-621-976-6221

Query Match 70.7%; Score 41; DB 4; Length 94;  
Best Local Similarity 87.5%; Pred. No. 2.7;  
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 NLPERRK 11

Db 63 NLPERRK 70

RESULT 2

US-09-543-681A-5892

Sequence 5892, Application US/09543681A

Patent No. 6605709

GENERAL INFORMATION:

APPLICANT: GARY BRETTON

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS

FILE REFERENCE: 2709.1002-001

CURRENT APPLICATION NUMBER: US/09/543,681A

CURRENT FILING DATE: 2000-04-05

PRIOR APPLICATION NUMBER: US 60/128,706

PRIOR FILING DATE: 1999-04-09

NUMBER OF SEQ ID NOS: 8344

SEQ ID NO 5892  
LENGTH: 186  
TYPE: PRT  
ORGANISM: Proteus mirabilis  
US-09-543-681A-5892

Query Match 67.2%; Score 39; DB 4; Length 186;  
Best Local Similarity 54.5%; Pred. No. 12;  
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 SVDNLPERRK 11  
DB 124 AIDTLPPRRR 134

RESULT 3  
US-09-247-373B-52  
Sequence 52, Application US/09247373B  
Patent No. 6168954  
GENERAL INFORMATION:  
APPLICANT: MCGONIGLE, BRIAN  
APPLICANT: O'KEEFE, DANIEL  
TITLE OF INVENTION: SOYBEAN GLUTATHIONE-S-TRANSFERASE ENZYMES  
FILE REFERENCE: CL-1108-A  
CURRENT APPLICATION NUMBER: US/09/247,373B  
CURRENT FILING DATE: 1999-02-10  
PRIOR APPLICATION NUMBER: 08/924,747  
PRIOR FILING DATE: 1997-09-05  
NUMBER OF SEQ ID NOS: 56  
SOFTWARE: Microsoft Office 97  
SEQ ID NO 52  
LENGTH: 219  
TYPE: PRT  
ORGANISM: SOYBEAN  
US-09-247-373B-52

Query Match 67.2%; Score 39; DB 3; Length 219;  
Best Local Similarity 75.0%; Pred. No. 15;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 3 DNLPPRR 10  
DB 194 DNLPPRDK 201

RESULT 4  
US-09-247-373B-34  
Sequence 34, Application US/09247373B  
Patent No. 6168954  
GENERAL INFORMATION:  
APPLICANT: MCGONIGLE, BRIAN  
APPLICANT: O'KEEFE, DANIEL  
TITLE OF INVENTION: SOYBEAN GLUTATHIONE-S-TRANSFERASE ENZYMES  
FILE REFERENCE: CL-1108-A  
CURRENT APPLICATION NUMBER: US/09/247,373B  
CURRENT FILING DATE: 1999-02-10  
PRIOR APPLICATION NUMBER: 08/924,747  
PRIOR FILING DATE: 1997-09-05  
NUMBER OF SEQ ID NOS: 56  
SOFTWARE: Microsoft Office 97  
SEQ ID NO 34  
LENGTH: 224  
TYPE: PRT  
ORGANISM: SOYBEAN  
US-09-247-373B-34

Query Match 67.2%; Score 39; DB 3; Length 224;  
Best Local Similarity 75.0%; Pred. No. 15;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 3 DNLPPRR 10  
DB 202 DNLPPRDK 209

RESULT 5  
US-09-134-001C-5085  
Sequence 5085, Application US/09134001C  
Patent No. 6380370  
GENERAL INFORMATION:  
APPLICANT: Lynn Doucette-Stamm et al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: GTC-007  
CURRENT APPLICATION NUMBER: US/09/134,001C  
CURRENT FILING DATE: 1998-08-13  
PRIOR APPLICATION NUMBER: US 60/064,964  
PRIOR FILING DATE: 1997-11-08  
PRIOR APPLICATION NUMBER: US 60/055,779  
PRIOR FILING DATE: 1997-08-14  
NUMBER OF SEQ ID NOS: 5674  
SEQ ID NO 5085  
LENGTH: 248  
TYPE: PRT  
ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-5085

Query Match 67.2%; Score 39; DB 4; Length 248;  
Best Local Similarity 70.0%; Pred. No. 17;  
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 SVDNLPERRK 10  
DB 181 SAKNLPKR 190

RESULT 6  
US-09-050-516-46  
Sequence 46, Application US/09050516  
Patent No. 6627414  
GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
APPLICANT: COHEN, MAURICE  
APPLICANT: COLPITTS, TRACEY L.  
APPLICANT: FRIEDMAN, PAULA N.  
APPLICANT: GORDON, JULIAN  
APPLICANT: GRANADOS, EDWARD N.  
APPLICANT: HAYDEN, MARK  
APPLICANT: HODGES, STEVEN C.  
APPLICANT: KLASS, MICHAEL R.  
APPLICANT: KRATOCHVIL, JON D.  
APPLICANT: ROBERTS-RAPP, LISA  
APPLICANT: RUSSELL, JOHN C.  
APPLICANT: STROUPE, STEPHEN D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE GASTROINTESTINAL  
NUMBER OF SEQUENCES: 49  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/050,516  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/828,855



FILING DATE: 31-MAR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6065.US.P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 46:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 33 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6627414e  
US-09-050-516-46

Query Match 65.5%; Score 38; DB 4; Length 33;  
Best Local Similarity 63.6%; Pred. No. 3;  
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 SVDNLPPEERX 11  
Db 3 SVDAPPGQRK 13

## RESULT 7

US-10-278-547-46  
Sequence 46, Application US/10278547  
Patent No. 6660834

## GENERAL INFORMATION:

APPLICANT: BILLING-MEDEL, PATRICIA  
COHEN, MAURICE  
COLPITTS, TRACEY L.  
FRIEDMAN, PAULA N.  
GORDON, JULIAN  
GRANADOS, EDWARD N.  
HAYDEN, MARK  
HODGES, STEVEN C.  
KLASS, MICHAEL R.  
KRATOCHVIL, JON D.

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
FOR DETECTING DISEASES OF THE GASTROINTESTINAL  
TRACT

NUMBER OF SEQUENCES: 49  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS

SOFTWARE: FastSeq for windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/278,547  
FILING DATE: 23-Oct-2002  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/050,516  
FILING DATE: <Unknown>  
APPLICATION NUMBER: 08/828,855  
FILING DATE: 31-MAR-1997

ATTORNEY/AGENT INFORMATION:

NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6065.US.P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729

TELEFAX: 847/938-2623  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 46:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 33 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: No. 6660834e  
SEQUENCE DESCRIPTION: SEQ ID NO: 46:  
US-10-278-547-46

Query Match 65.5%; Score 38; DB 4; Length 33;  
Best Local Similarity 63.6%; Pred. No. 3;  
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 SVDNLPPEERX 11  
Db 3 SVDAPPGQRK 13

## RESULT 8

US-09-543-681A-5329  
Sequence 5329, Application US/09543681A  
Patent No. 6605709

## GENERAL INFORMATION:

APPLICANT: GARY BRETON  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS  
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 2709.1002-001  
CURRENT APPLICATION NUMBER: US/09/543,681A  
CURRENT FILING DATE: 2000-04-05  
PRIOR APPLICATION NUMBER: US 60/128,706  
PRIOR FILING DATE: 1999-04-09  
NUMBER OF SEQ ID NOS: 8344  
SEQ ID NO 5329  
LENGTH: 1586  
TYPE: PRT  
ORGANISM: Proteus mirabilis  
FEATURE:  
NAME/KEY: UNSURE  
LOCATION: (1576)  
OTHER INFORMATION: Identity of amino acid at the above locations are unknown.  
US-09-543-681A-5329

Query Match 65.5%; Score 38; DB 4; Length 1586;  
Best Local Similarity 54.5%; Pred. No. 1.8e+02;  
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 SVDNLPPEERX 11  
Db 144 AADNTPPEERX 154

## RESULT 9

US-09-134-000C-3518  
Sequence 3518, Application US/09134000C  
Patent No. 6617156

## GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 032796-032  
CURRENT APPLICATION NUMBER: US/09/134,000C  
CURRENT FILING DATE: 1998-08-13  
PRIOR APPLICATION NUMBER: US 60/055,778  
PRIOR FILING DATE: 1997-08-15  
NUMBER OF SEQ ID NOS: 6812  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 3518  
LENGTH: 181  
TYPE: PRT  
ORGANISM: Enterococcus faecalis

US-09-134-000C-3518

Query Match 63.8%; Score 37; DB 4; Length 181;  
Best Local Similarity 75.0%; Pred. No. 28;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 4 NLPPEK 11  
:|||||  
Db 8 DLPPEK 15

RESULT 10

5169835-6  
; Patent No. 5169835  
; APPLICANT: WAI-YEE, CHAN  
; TITLE OF INVENTION: PREGNANCY SPECIFIC PROTEINS APPLICATIONS  
; NUMBER OF SEQUENCES: 48  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/390,409  
; FILING DATE: 07-AUG-1989  
; SEQ ID NO: 6  
; LENGTH: 424  
5169835-6

Query Match 63.8%; Score 37; DB 6; Length 424;  
Best Local Similarity 54.5%; Pred. No. 68;  
Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

OY 1 SVDNLPPEK 11  
:|||||  
Db 244 TNNLPPEK 254

RESULT 11

US-09-252-991A-19504  
; Sequence 19504, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 19504  
; LENGTH: 1291  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-19504

Query Match 63.8%; Score 37; DB 4; Length 1291;  
Best Local Similarity 63.6%; Pred. No. 2.2e+02;  
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

OY 1 SVDNLPPEK 11  
:|||||  
Db 548 AVRRLPPEK 558

RESULT 12

US-09-134-001C-3917  
; Sequence 3917, Application US/09134001C  
; Patent No. 6380370  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: GTC-007

CURRENT APPLICATION NUMBER: US/09/134,001C  
CURRENT FILING DATE: 1998-08-13

PRIOR APPLICATION NUMBER: US 60/064,964  
PRIOR FILING DATE: 1997-11-08  
PRIOR APPLICATION NUMBER: US 60/055,779  
PRIOR FILING DATE: 1997-08-14

NUMBER OF SEQ ID NOS: 5674  
SEQ ID NO 3917  
LENGTH: 273  
TYPE: PRT

ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-3917

Query Match 62.1%; Score 36; DB 4; Length 273;  
Best Local Similarity 60.0%; Pred. No. 64;  
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

OY 2 VDNLPPEK 11  
:|||||  
Db 40 VKHLPPEK 49

RESULT 13

US-09-252-991A-19544  
; Sequence 19544, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 19544  
; LENGTH: 289  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-19544

Query Match 62.1%; Score 36; DB 4; Length 289;  
Best Local Similarity 85.7%; Pred. No. 68;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 2 VDNLPPEK 8  
:|||||  
Db 148 LDNLPPEK 154

RESULT 14

US-09-491-577-90  
; Sequence 90, Application US/09491577  
; Patent No. 6610511  
; GENERAL INFORMATION:  
; APPLICANT: Yale University  
; APPLICANT: Carlson, John R.  
; APPLICANT: Kim, Hunhyong  
; APPLICANT: Clyne, Peter J.  
; APPLICANT: Watt, Coral G.  
; TITLE OF INVENTION: No. 6610511el Family of Odorant Receptor Genes in Drosophila  
; FILE REFERENCE: 44574-5061-US  
; CURRENT APPLICATION NUMBER: US/09/491,577  
; CURRENT FILING DATE: 2000-01-25  
; EARLIER APPLICATION NUMBER: US 60/117,132  
; EARLIER FILING DATE: 1999-01-25  
; NUMBER OF SEQ ID NOS: 112  
; SOFTWARE: Patentln Ver. 2.1  
; SEQ ID NO 90  
; LENGTH: 392

; TYPE: PRT  
; ORGANISM: Drosophila melanogaster  
US-09-491-577-90

Query Match 62.1%; Score 36; DB 4; Length 392;  
Best Local Similarity 75.0%; Pred. No. 94;  
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 4 NLPKRRK 11  
DB 334 NLPKRRK 341

RESULT 15  
US-09-540-236-2916  
; Sequence 2916, Application US/09540236  
; Patent No. 6673910  
; GENERAL INFORMATION:  
; APPLICANT: Gary L. Breton et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAR  
; FILE REFERENCE: 2709.2005-001  
; CURRENT APPLICATION NUMBER: US/09/540,236  
; CURRENT FILING DATE: 2000-04-04  
; NUMBER OF SEQ ID NOS: 3840  
; SEQ ID NO 2916  
; LENGTH: 888  
; TYPE: PRT  
; ORGANISM: M.cattarrhalis  
US-09-540-236-2916

Query Match 62.1%; Score 36; DB 4; Length 888;  
Best Local Similarity 85.7%; Pred. No. 2.2e+02;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 NLPKRRK 10  
DB 648 NLPKRRK 654

RESULT 16  
US-09-328-352-8164  
; Sequence 8164, Application US/09328352  
; Patent No. 6562958  
; GENERAL INFORMATION:  
; APPLICANT: Gary L. Breton et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER  
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: GTC99-03PA  
; CURRENT APPLICATION NUMBER: US/09/328,352  
; CURRENT FILING DATE: 1999-06-04  
; NUMBER OF SEQ ID NOS: 8252  
; SEQ ID NO 8164  
; LENGTH: 892  
; TYPE: PRT  
; ORGANISM: Acinetobacter baumannii  
US-09-328-352-8164

Query Match 62.1%; Score 36; DB 4; Length 892;  
Best Local Similarity 85.7%; Pred. No. 2.2e+02;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 NLPKRRK 10  
DB 653 NLPKRRK 659

RESULT 17  
US-09-125-028-2  
; Sequence 2, Application US/09125028A  
; Patent No. 6190707  
; GENERAL INFORMATION:  
; APPLICANT: WADOUX, Isabelle

; APPLICANT: COLAVIZZA, Didier  
; APPLICANT: LOTERZ, Annie  
; TITLE OF INVENTION: NOVEL COLD-SENSITIVE BREAD-MAKING YEASTS  
; FILE REFERENCE: levure sensible froid  
; CURRENT APPLICATION NUMBER: US/09/125,028A  
; CURRENT FILING DATE: 1998-08-07  
; EARLIER APPLICATION NUMBER: PCT/FR97/00254  
; EARLIER FILING DATE: 1997-02-07  
; NUMBER OF SEQ ID NOS: 2  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 2  
; LENGTH: 2496  
; TYPE: PRT  
; ORGANISM: Saccharomyces cerevisiae  
US-09-125-028-2

Query Match 62.1%; Score 36; DB 3; Length 2496;  
Best Local Similarity 66.7%; Pred. No. 6.7e+02;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 VDNLPKRRK 10  
DB 257 IDVLPKRRK 265

RESULT 18  
US-08-894-344C-2  
; Sequence 2, Application US/08894344C  
; Patent No. 6172196  
; GENERAL INFORMATION:  
; APPLICANT: KAWASAKI, Hideki  
; APPLICANT: TOKAI, Masaya  
; APPLICANT: KIKUCHI, Yasuhiro  
; APPLICANT: OUCHI, Kozo  
; TITLE OF INVENTION: DNA ENCODING PROTEIN COMPLEMENTING  
; TITLE OF INVENTION: YEAST  
; TITLE OF INVENTION: LOW TEMPERATURE-SENSITIVE FERMENTABILITY  
; NUMBER OF SEQUENCES: 2  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: FITZPATRICK, CELLA, HARPER & SCINTO  
; STREET: 30 Rockefeller Plaza  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10112-3801  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette - 3.50 inch, 1440 Kb storage.  
; COMPUTER: IBM PS/V  
; OPERATING SYSTEM: MS-DOS Ver3.30  
; SOFTWARE: PATENT AID Ver1.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/894,344C  
; FILING DATE: 15-AUGUST-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: JP343700/95  
; FILING DATE: 28-DECEMBER-1995  
; APPLICATION NUMBER: PCT/JP96/03862  
; FILING DATE: 27-DECEMBER-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Perry, Lawrence S.  
; REGISTRATION NUMBER: 31865  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 212-218-2100  
; TELEFAX: 212-218-2200  
; INFORMATION FOR SEQ ID NO: 2 :  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2958 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; ORIGINAL SOURCE:  
; ORGANISM: Saccharomyces cerevisiae  
; STRAIN: X2180-1B

US-08-894-344C-2

Query Match 62.1%; Score 36; DB 3; Length 2958;  
Best Local Similarity 66.7%; Pred. No. 8e+02;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 2 VDNLPERR 10  
DB 257 IDVLPKRR 265

RESULT 19

US-09-252-991A-32941  
; Sequence 32941, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 32941  
; LENGTH: 184  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-32941

Query Match 60.3%; Score 35; DB 4; Length 184;  
Best Local Similarity 63.6%; Pred. No. 64;  
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 SVDNLPERR 11  
DB 1 SVDALPDRHR 11

RESULT 20  
5169835-13  
; Patent No. 5169835  
; APPLICANT: WAI-YEE, CHAN  
; TITLE OF INVENTION: PREGNANCY SPECIFIC PROTEINS APPLICATIONS  
; NUMBER OF SEQUENCES: 48  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/390,409  
; FILING DATE: 07-AUG-1989  
; SEQ ID NO:13:  
; LENGTH: 230  
5169835-13

Query Match 60.3%; Score 35; DB 6; Length 230;  
Best Local Similarity 54.5%; Pred. No. 81;  
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 1 SVDNLPERR 11  
DB 101 TNNLNPERR 111

RESULT 21  
US-09-107-532A-6390  
; Sequence 6390, Application US/09107532A  
; Patent No. 6583275  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO  
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS  
; NUMBER OF SEQUENCES: 7310

## CORRESPONDENCE ADDRESS:

ADDRESSEE: GENOME THERAPEUTICS CORPORATION  
STREET: 100 Beaver Street  
CITY: Waltham  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02354

## COMPUTER READABLE FORM:

MEDIUM TYPE: CD-ROM ISO9660  
COMPUTER: PC  
OPERATING SYSTEM: <Unknown>  
SOFTWARE: ASCII

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107,532A  
FILING DATE: 30-Jun-1998

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/085,598  
FILING DATE: 14 May 1998  
APPLICATION NUMBER: 60/051571  
FILING DATE: July 2, 1997

## ATTORNEY/AGENT INFORMATION:

NAME: Arinello, Pamela Deneka  
REGISTRATION NUMBER: 40,489  
REFERENCE/DOCKET NUMBER: GTC-012  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (781)893-5007  
TELEFAX: (781)893-8277

## INFORMATION FOR SEQ ID NO: 6390:

## SEQUENCE CHARACTERISTICS:

LENGTH: 291 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: YES  
ORIGINAL SOURCE:

ORGANISM: Enterococcus faecium  
FEATURE:

NAME/KEY: misc feature  
LOCATION: (B) LOCATION 1...291

SEQUENCE DESCRIPTION: SEQ ID NO: 6390:  
US-09-107-532A-6390

Query Match 60.3%; Score 35; DB 4; Length 291;  
Best Local Similarity 62.5%; Pred. No. 1e+02;  
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 VDNLPERR 9  
DB 87 INNLPKRR 94

RESULT 22  
US-09-252-991A-17379  
; Sequence 17379, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 17379  
; LENGTH: 398  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-17379

Query Match 60.3%; Score 35; DB 4; Length 398;  
Best Local Similarity 50.0%; Pred. No. 1.4e+02;  
Matches 5; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 1 SVDNLPERR 10  
Db 103 SINNVDPHRR 112

## RESULT 23

US-09-489-039A-10613  
; Sequence 10613, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; FILE REFERENCE: 2709.2004001  
; CURRENT APPLICATION NUMBER: US/09/489,039A  
; PRIOR FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 10613  
; LENGTH: 398  
; TYPE: PRT  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-10613

Query Match 60.3%; Score 35; DB 4; Length 398;  
Best Local Similarity 55.6%; Pred. No. 1.4e+02;  
Matches 5; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 3 DNLPPRRK 11  
Db 238 ENPPQERR 246

## RESULT 24

US-09-688-188B-30  
; Sequence 30, Application US/09688188B  
; Patent No. 6656716  
; GENERAL INFORMATION:  
; APPLICANT: PLOWMAN, GREGORY  
; APPLICANT: MARTINEZ, RICARDO  
; APPLICANT: WHYTE, DAVID  
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES  
; FILE REFERENCE: 038602/0328  
; CURRENT APPLICATION NUMBER: US/09/688,188B  
; PRIOR FILING DATE: 2000-10-16  
; PRIOR APPLICATION NUMBER: 09/291,417  
; PRIOR FILING DATE: 1999-04-14  
; PRIOR APPLICATION NUMBER: 60/081,784  
; PRIOR FILING DATE: 1998-04-14  
; NUMBER OF SEQ ID NOS: 155  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 30  
; LENGTH: 398  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-688-188B-30

Query Match 60.3%; Score 35; DB 4; Length 398;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DNLPPR 8  
Db 336 DNLPPR 341

RESULT 25  
US-09-291-417D-30

; Sequence 30, Application US/09291417D  
; Patent No. 6680170  
; GENERAL INFORMATION:  
; APPLICANT: PLOWMAN, GREGORY  
; APPLICANT: MARTINEZ, RICARDO  
; APPLICANT: WHYTE, DAVID  
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES  
; FILE REFERENCE: 038602/0329  
; CURRENT APPLICATION NUMBER: US/09/291,417D  
; PRIOR FILING DATE: 1999-04-13  
; PRIOR APPLICATION NUMBER: 60/081,784  
; PRIOR FILING DATE: 1998-04-14  
; NUMBER OF SEQ ID NOS: 155  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 30  
; LENGTH: 398  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-291-417D-30

Query Match 60.3%; Score 35; DB 4; Length 398;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DNLPPR 8  
Db 336 DNLPPR 341

RESULT 26  
US-09-533-029-104  
; Sequence 104, Application US/09533029  
; Patent No. 6664446  
; GENERAL INFORMATION:  
; APPLICANT: Heard, Jacqueline  
; APPLICANT: Brown, Pierre  
; APPLICANT: Riechmann, Jose-Luis  
; APPLICANT: Keddie, James  
; APPLICANT: Pineda, Omaira  
; APPLICANT: Adam, Luc  
; APPLICANT: Samaha, Raymond  
; APPLICANT: Zhang, James  
; APPLICANT: Yu, Guo-Liang  
; APPLICANT: Ratcliffe, Oliver  
; APPLICANT: Pilgrim, Marsha  
; APPLICANT: Jiang, Cai-Zhong  
; APPLICANT: Reuber, Lynne  
; TITLE OF INVENTION: DISEASE-INDUCED POLYNUCLEOTIDES  
; FILE REFERENCE: MEI-010  
; CURRENT APPLICATION NUMBER: US/09/533,029  
; PRIOR FILING DATE: 2000-03-22  
; EARLIER APPLICATION NUMBER: 60/125,814  
; EARLIER FILING DATE: 1999-03-23  
; NUMBER OF SEQ ID NOS: 121  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 104  
; LENGTH: 409  
; TYPE: PRT  
; ORGANISM: Arabidopsis thaliana  
; FEATURE:  
; OTHER INFORMATION: G1034  
US-09-533-029-104

Query Match 60.3%; Score 35; DB 4; Length 409;  
Best Local Similarity 85.7%; Pred. No. 1.5e+02;  
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 NLPERR 10  
Db 86 NLPERR 92

RESULT 27



5169835-2  
; Patent No. 5169835  
; APPLICANT: WAI-YEE, CHAN  
; TITLE OF INVENTION: PREGNANCY SPECIFIC PROTEINS APPLICATIONS  
; NUMBER OF SEQUENCES: 48  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/07/390,409  
; FILING DATE: 07-AUG-1989  
; SEQ ID NO: 2:  
; LENGTH: 419  
5169835-2  
Query Match 60.3%; Score 35; DB 6; Length 419;  
Best Local Similarity 54.5%; Pred. No. 1.5e+02;  
Matches 6; Conservative 3; Mismatches 2; Indels 0; Gaps 0;  
QY 1 SVDNLPREK 11  
: : : : :  
Db 245 TNNLNPRENK 255

RESULT 28  
US-09-082-737-2  
; Sequence 2, Application US/09082737  
; Patent No. 6013500  
; GENERAL INFORMATION:  
; APPLICANT: Minden, Audrey  
; TITLE OF INVENTION: PAK4, A No. 6013500e1 Gene Encoding A Serine/  
; TITLE OF INVENTION: Threonine Kinase  
; NUMBER OF SEQUENCES: 12  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooper & Dunham LLP  
; STREET: 1185 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 11230  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/082,737  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: White, John P.  
; REGISTRATION NUMBER: 28,678  
; REFERENCE/DOCKET NUMBER: 0575/55311  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 278-0400  
; TELEFAX: (212) 391-0525  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 591 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-09-082-737-2

Query Match 60.3%; Score 35; DB 3; Length 591;  
Best Local Similarity 100.0%; Pred. No. 2.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DNLPPR 8  
: : : : :  
Db 529 DNLPPR 534

RESULT 29  
US-09-688-188B-103  
; Sequence 103, Application US/09688188B

; Patent No. 6656716  
; GENERAL INFORMATION:  
; APPLICANT: PLOWMAN, GREGORY  
; APPLICANT: MARTINEZ, RICARDO  
; APPLICANT: WHYTE, DAVID  
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES  
; FILE REFERENCE: 038602/0328  
; CURRENT APPLICATION NUMBER: US/09/688,188B  
; CURRENT FILING DATE: 2000-10-16  
; PRIOR APPLICATION NUMBER: 09/291,417  
; PRIOR FILING DATE: 1999-04-14  
; PRIOR APPLICATION NUMBER: 60/081,784  
; PRIOR FILING DATE: 1998-04-14  
; NUMBER OF SEQ ID NOS: 155  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 103  
; LENGTH: 591  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-688-188B-103

Query Match 60.3%; Score 35; DB 4; Length 591;  
Best Local Similarity 100.0%; Pred. No. 2.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DNLPPR 8  
: : : : :  
Db 529 DNLPPR 534

RESULT 30  
US-09-718-032-2  
; Sequence 2, Application US/09718032  
; Patent No. 6667168  
; GENERAL INFORMATION:  
; APPLICANT: The Trustees of Columbia University  
; APPLICANT: Minden, Audrey  
; TITLE OF INVENTION: PAK4, A NOVEL GENE ENDODING A SERINE/THREONINE KINASE  
; FILE REFERENCE: 575/55311-A-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/718,032  
; CURRENT FILING DATE: 2000-11-21  
; PRIOR APPLICATION NUMBER: PCT/US99/11341  
; PRIOR FILING DATE: 1999-05-21  
; PRIOR APPLICATION NUMBER: 09/082,737  
; PRIOR FILING DATE: 1998-05-21  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 591  
; TYPE: PRT  
; ORGANISM: human  
US-09-718-032-2

Query Match 60.3%; Score 35; DB 4; Length 591;  
Best Local Similarity 100.0%; Pred. No. 2.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DNLPPR 8  
: : : : :  
Db 529 DNLPPR 534

RESULT 31  
US-09-291-417D-103  
; Sequence 103, Application US/09291417D  
; Patent No. 6680170  
; GENERAL INFORMATION:  
; APPLICANT: PLOWMAN, GREGORY  
; APPLICANT: MARTINEZ, RICARDO  
; APPLICANT: WHYTE, DAVID  
; TITLE OF INVENTION: STE20-RELATED PROTEIN KINASES  
; FILE REFERENCE: 038602/0329  
; CURRENT APPLICATION NUMBER: US/09/291,417D

CURRENT FILING DATE: 1999-04-13  
PRIOR APPLICATION NUMBER: 60/081,784  
PRIOR FILING DATE: 1998-04-14  
NUMBER OF SEQ ID NOS: 155  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 103  
LENGTH: 591  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-291-417D-103

Query Match 60.3%; Score 35; DB 4; Length 591;  
Best Local Similarity 100.0%; Pred. No. 2.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 DNLPPR 8  
Db 529 DNLPPR 534

RESULT 32  
US-09-252-991A-21993  
Sequence 21993, Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 107196.136  
CURRENT APPLICATION NUMBER: US/09/252,991A  
CURRENT FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 21993  
LENGTH: 709  
TYPE: PRT  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-21993

Query Match 60.3%; Score 35; DB 4; Length 709;  
Best Local Similarity 75.0%; Pred. No. 2.7e+02;  
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 DNLPPR 10  
Db 151 DNLPPR 158

RESULT 33  
US-09-489-039A-7840  
Sequence 7840, Application US/09489039A  
Patent No. 6610836  
GENERAL INFORMATION:  
APPLICANT: Gary Breton et. al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 2709.2004001  
CURRENT APPLICATION NUMBER: US/09/489,039A  
CURRENT FILING DATE: 2000-01-27  
PRIOR APPLICATION NUMBER: US 60/117,747  
PRIOR FILING DATE: 1999-01-29  
NUMBER OF SEQ ID NOS: 14342  
SEQ ID NO 7840  
LENGTH: 203  
TYPE: PRT  
ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-7840

Query Match 58.6%; Score 34; DB 4; Length 203;  
Best Local Similarity 66.7%; Pred. No. 1.1e+02;

Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
QY 1 SVDNLPRE 9  
Db 35 STPNLPRED 43

RESULT 34  
US-09-050-516-47  
Sequence 47, Application US/09050516  
Patent No. 6627414  
GENERAL INFORMATION:  
APPLICANT: BILLING-MEDEL, PATRICIA  
APPLICANT: COHEN, MAURICE  
APPLICANT: COLPITTS, TRACEY L.  
APPLICANT: FRIEDMAN, PAULA N.  
APPLICANT: GORDON, JULIAN  
APPLICANT: GRANADOS, EDWARD N.  
APPLICANT: HAYDEN, MARK  
APPLICANT: HODGES, STEVEN C.  
APPLICANT: KLASS, MICHAEL R.  
APPLICANT: KRATOCHVIL, JON D.  
APPLICANT: ROBERTS-RAPP, LISA  
APPLICANT: RUSSELL, JOHN C.  
APPLICANT: STROUPE, STEPHEN D.  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE GASTROINTESTINAL  
TITLE OF INVENTION: TRACT  
NUMBER OF SEQUENCES: 49  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Abbott Laboratories  
STREET: 100 Abbott Park Road  
CITY: Abbott Park  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/050,516  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/828,855  
FILING DATE: 31-MAR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6065.US.P1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX:  
INFORMATION FOR SEQ ID NO: 47:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 215 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: NO. 6627414e  
US-09-050-516-47

Query Match 58.6%; Score 34; DB 4; Length 215;  
Best Local Similarity 60.0%; Pred. No. 1.1e+02;  
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 2 VDNLPREX 11  
Db 160 VDSAPPGQK 169

RESULT 35  
US-10-278-547-47  
; Sequence 47, Application US/10278547  
; Patent No. 6660834  
; GENERAL INFORMATION:  
; APPLICANT: BILLING-MEDEL, PATRICIA  
; COHEN, MAURICE  
; COLPITTS, TRACEY L.  
; FRIEDMAN, PAULA N.  
; GORDON, JULIAN  
; GRANADOS, EDWARD N.  
; HAYDEN, MARK  
; HODGES, STEVEN C.  
; KLAS, MICHAEL R.  
; KRATOCHVIL, JON D.  
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
; FOR DETECTING DISEASES OF THE GASTROINTESTINAL  
; TRACT  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Abbott Laboratories  
; STREET: 100 Abbott Park Road  
; CITY: Abbott Park  
; STATE: IL  
; COUNTRY: USA  
; ZIP: 60064-3500  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/278,547  
; FILING DATE: 23-Oct-2002  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/09/050,516  
; FILING DATE: <Unknown>  
; APPLICATION NUMBER: 08/828,855  
; FILING DATE: 31-MAR-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Becker, Cheryl L.  
; REGISTRATION NUMBER: 35,441  
; REFERENCE/DOCKET NUMBER: 6065.US.P1  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 847/935-1729  
; TELEFAX: 847/938-2623  
; TELEX: <Unknown>  
; INFORMATION FOR SEQ ID NO: 47:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 215 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: No. 6660834e  
; SEQUENCE DESCRIPTION: SEQ ID NO: 47:  
US-10-278-547-47  
Query Match 58.6%; Score 34; DB 4; Length 215;  
Best Local Similarity 60.0%; Pred. No. 1.1e+02;  
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;  
Qy 2 VDNLPREK 11  
Db 160 VDSAPGQK 169  
RESULT 36  
US-08-857-534-12  
; Sequence 12, Application US/08857534  
; Patent No. 6087170  
; GENERAL INFORMATION:  
; APPLICANT: George W. Kemble  
; TITLE OF INVENTION: A No. 6087170e1 VZV Gene, Mutant VZV and Immunogenic  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum  
; STREET: 5 Palo Alto Square  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94306  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/04971  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:

APPLICANT: George W. Kemble  
TITLE OF INVENTION: A No. 6087170e1 VZV Gene, Mutant VZV and Immunogenic  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Cooley Godward Castro Huddleson & Tatum  
STREET: 5 Palo Alto Square  
CITY: Palo Alto  
STATE: California  
COUNTRY: USA  
ZIP: 94306  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/04971  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
PCT-US95-04971-12  
; Sequence 12, Application PC/TUS9504971  
; GENERAL INFORMATION:  
; APPLICANT: George W. Kemble  
; TITLE OF INVENTION: A Novel VZV Gene, Mutant VZV and Immunogenic  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum  
; STREET: 5 Palo Alto Square  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94306  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/04971  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
Query Match 58.6%; Score 34; DB 3; Length 223;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 6 PPRERK 11  
Db 44 PPRERK 49  
RESULT 37  
PCT-US95-04971-12  
; Sequence 12, Application PC/TUS9504971  
; GENERAL INFORMATION:  
; APPLICANT: George W. Kemble  
; TITLE OF INVENTION: A Novel VZV Gene, Mutant VZV and Immunogenic  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooley Godward Castro Huddleson & Tatum  
; STREET: 5 Palo Alto Square  
; CITY: Palo Alto  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94306  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patent in Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/04971  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/235,406  
FILING DATE: APRIL 28, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Juan Cseer  
REGISTRATION NUMBER: 31,822  
REFERENCE/DOCKET NUMBER: AVIR-004/00W0  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-843-5165  
TELEFAX: 415-857-0663  
TELEX: 380816 COOLEY/PA  
INFORMATION FOR SEQ ID NO: 12:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 223 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown  
MOLECULE TYPE: Protein  
PCT-US95-04971-12

Query Match 58.6%; Score 34; DB 5; Length 223;  
Best Local Similarity 100.0%; Pred. No. 1.2e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 PPRERK 11  
Db 44 PPRERK 49

RESULT 38  
US-09-247-373B-48  
Sequence 48, Application US/09247373B  
Patent No. 6168954  
GENERAL INFORMATION:  
APPLICANT: MCGONIGLE, BRIAN  
APPLICANT: O'KEEFE, DANIEL  
TITLE OF INVENTION: SOYBEAN GLUTATHIONE-S-TRANSFERASE ENZYMES  
FILE REFERENCE: CL-1108-A  
CURRENT APPLICATION NUMBER: US/09/247,373B  
CURRENT FILING DATE: 1999-02-10  
PRIOR APPLICATION NUMBER: 08/924,747  
PRIOR FILING DATE: 1997-09-05  
NUMBER OF SEQ ID NOS: 56  
SOFTWARE: Microsoft Office 97  
SEQ ID NO 48  
LENGTH: 229  
TYPE: PRT  
ORGANISM: SOYBEAN  
US-09-247-373B-48

Query Match 58.6%; Score 34; DB 3; Length 229;  
Best Local Similarity 62.5%; Pred. No. 1.2e+02;  
Matches 5; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 3 DNLPPRR 10  
Db 200 DNLPPRR 207

RESULT 39  
US-09-543-681A-6224  
Sequence 6224, Application US/09543681A  
Patent No. 6605709  
GENERAL INFORMATION:  
APPLICANT: GARY BRETON  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS  
FILE REFERENCE: 2709.1002-001  
CURRENT APPLICATION NUMBER: US/09/543,681A  
CURRENT FILING DATE: 2000-04-05  
PRIOR APPLICATION NUMBER: US 60/128,706  
PRIOR FILING DATE: 1999-04-09  
NUMBER OF SEQ ID NOS: 8344  
SEQ ID NO 6224  
LENGTH: 234

TYPE: PRT  
ORGANISM: Proteus mirabilis  
US-09-543-681A-6224

Query Match 58.6%; Score 34; DB 4; Length 234;  
Best Local Similarity 66.7%; Pred. No. 1.2e+02;  
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 2 VDNLPPRR 10  
Db 171 IDQLTPRR 179

RESULT 40  
US-09-252-991A-32653  
Sequence 32653, Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
FILE REFERENCE: 107196.136  
CURRENT APPLICATION NUMBER: US/09/252,991A  
CURRENT FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 32653  
LENGTH: 304  
TYPE: PRT  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-32653

Query Match 58.6%; Score 34; DB 4; Length 304;  
Best Local Similarity 70.0%; Pred. No. 1.6e+02;  
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 SVDNLPERR 10  
Db 250 SGDRLPERR 259

Search completed: May 6, 2004, 16:50:53  
Job time : 3.50215 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 6, 2004, 16:47:47 ; Search time 6.51502 Seconds

(without alignments)  
468.645 Million cell updates/sec

Title: US-09-727-739B-18

Perfect score: 58

Sequence: 1 SVDNLPFRERK 11

Scoring table:

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Gapop 10.0 , Gapext 0.5

Searched: 1140673 segs, 277566755 residues

Total number of hits satisfying chosen parameters: 1140673

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing:

Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUBCOMB.pep:\*
- 2: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*
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- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep:\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep:\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep:\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep:\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep:\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	58	100.0	11	US-09-727-739B-18	Sequence 18, Appl
2	58	100.0	25	US-09-727-739B-16	Sequence 16, Appl
3	58	100.0	111	US-09-727-739B-15	Sequence 15, Appl
4	49	84.5	125	US-09-727-739B-37	Sequence 37, Appl
5	45	77.6	14	US-09-727-739B-12	Sequence 12, Appl
6	45	77.6	28	US-09-727-739B-10	Sequence 10, Appl
7	45	77.6	115	US-09-727-739B-9	Sequence 9, Appl
8	39	67.2	58	US-10-424-599-165683	Sequence 165683,
9	39	67.2	206	US-10-424-599-189881	Sequence 189881,
10	39	67.2	208	US-10-424-599-223133	Sequence 223133,
11	39	67.2	212	US-10-424-599-223100	Sequence 223100,
12	39	67.2	224	US-10-424-599-188856	Sequence 188856,
13	39	67.2	224	US-10-424-599-223155	Sequence 223155,
14	39	67.2	312	US-10-282-122A-49432	Sequence 49432, A
15	39	67.2	370	US-10-238-075-1044	Sequence 1044, Ap

16	39	67.2	663	12	US-10-425-114-66805	Sequence 66805, A
17	38	65.5	33	9	US-09-050-516-46	Sequence 46, Appl
18	38	65.5	33	12	US-10-646-873-46	Sequence 46, Appl
19	38	65.5	33	14	US-10-278-547-46	Sequence 46, Appl
20	38	65.5	53	12	US-10-424-599-258255	Sequence 258255,
21	38	65.5	197	9	US-09-764-860-343	Sequence 343, App
22	38	65.5	197	14	US-10-074-095-343	Sequence 343, App
23	38	65.5	197	15	US-10-212-872-343	Sequence 343, App
24	38	65.5	398	15	US-10-369-493-10495	Sequence 10495, A
25	38	65.5	649	15	US-10-369-493-3994	Sequence 3994, Ap
26	37	63.8	73	12	US-10-412-639B-874	Sequence 874, App
27	37	63.8	73	14	US-10-278-173-62	Sequence 62, Appl
28	37	63.8	73	15	US-10-302-267-184	Sequence 184, App
29	37	63.8	76	12	US-10-225-066A-960	Sequence 960, App
30	37	63.8	76	15	US-10-374-780A-2604	Sequence 2604, App
31	37	63.8	100	12	US-10-425-114-37075	Sequence 37075, A
32	37	63.8	117	14	US-10-156-761-11847	Sequence 11847, A
33	37	63.8	338	12	US-10-425-114-67589	Sequence 67589, A
34	37	63.8	339	15	US-10-369-493-661	Sequence 661, App
35	37	63.8	484	12	US-10-282-122A-65111	Sequence 65111, A
36	37	63.8	484	12	US-10-282-122A-65706	Sequence 65706, A
37	37	63.8	1311	15	US-10-369-493-5939	Sequence 5939, Ap
38	37	63.8	1955	14	US-10-174-677-39	Sequence 39, Appl
39	37	63.8	1972	15	US-10-085-198-20	Sequence 20, Appl
40	37	63.8	1973	15	US-10-085-198-18	Sequence 18, Appl
41	36	62.1	123	12	US-10-424-599-193486	Sequence 193486,
42	36	62.1	184	12	US-10-282-122A-67149	Sequence 67149, A
43	36	62.1	274	12	US-10-282-122A-72762	Sequence 72762, A
44	36	62.1	304	12	US-10-424-599-280749	Sequence 280749,
45	36	62.1	353	12	US-10-425-114-63959	Sequence 63959, A

#### ALIGNMENTS

RESULT 1  
US-09-727-739B-18  
Sequence 18, Application US/09727739B  
Publication No. US20010025097A1  
GENERAL INFORMATION:  
APPLICANT: Sheridan, Mark  
APPLICANT: Kittilson, Jeffrey  
TITLE OF INVENTION: Somatostatins and Methods  
FILE REFERENCE: 255.00040101  
CURRENT APPLICATION NUMBER: US/09/727,739B  
CURRENT FILING DATE: 2000-12-01  
PRIOR APPLICATION NUMBER: US 60/168,934  
PRIOR FILING DATE: 1999-12-03  
NUMBER OF SEQ ID NOS: 52  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 18  
LENGTH: 11  
TYPE: PRT  
ORGANISM: Oncorhynchus mykiss  
US-09-727-739B-18

Query Match 100.0%; Score 58; DB 12; Length 11;  
Best Local Similarity 100.0%; Pred. No. 0.0037;  
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SVDNLPFRERK 11  
Db 1 SVDNLPFRERK 11

RESULT 2  
US-09-727-739B-16  
Sequence 16, Application US/09727739B  
Publication No. US20010025097A1  
GENERAL INFORMATION:  
APPLICANT: Sheridan, Mark  
APPLICANT: Kittilson, Jeffrey



```
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; PRIOR APPLICATION NUMBER: 2000-12-01
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 16
; LENGTH: 25
; TYPE: PRT
; ORGANISM: Oncorhynchus mykiss
US-09-727-739B-16

Query Match      100.0%; Score 58; DB 12; Length 25;
Best Local Similarity 100.0%; Pred. No. 0.0085;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SVDNLPERRK 11
      |||
Db      1 SVDNLPERRK 11

RESULT 3
US-09-727-739B-15
; Sequence 15, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 15
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Oncorhynchus mykiss
US-09-727-739B-15

Query Match      100.0%; Score 58; DB 12; Length 111;
Best Local Similarity 100.0%; Pred. No. 0.039;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 SVDNLPERRK 11
      |||
Db      87 SVDNLPERRK 97

RESULT 4
US-09-727-739B-37
; Sequence 37, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 37
; LENGTH: 125
```

```
; TYPE: PRT
; ORGANISM: Lophius americanus
US-09-727-739B-37

Query Match      84.5%; Score 49; DB 12; Length 125;
Best Local Similarity 81.8%; Pred. No. 1.4;
Matches 9; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 SVDNLPERRK 11
      |||
Db      101 STNLPERRK 111

RESULT 5
US-09-727-739B-12
; Sequence 12, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 12
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Oncorhynchus mykiss
US-09-727-739B-12

Query Match      77.6%; Score 45; DB 12; Length 14;
Best Local Similarity 88.9%; Pred. No. 0.7;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      3 DNLPERRK 11
      |||
Db      6 NNLPPERRK 14

RESULT 6
US-09-727-739B-10
; Sequence 10, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 10
; LENGTH: 28
; TYPE: PRT
; ORGANISM: Oncorhynchus mykiss
US-09-727-739B-10

Query Match      77.6%; Score 45; DB 12; Length 28;
Best Local Similarity 88.9%; Pred. No. 1.4;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      3 DNLPERRK 11
      |||
Db      6 NNLPPERRK 14
```

```
RESULT 7
US-09-727-739B-9
; Sequence 9, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; PRIOR FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patent version 3.0
; SEQ ID NO 9
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Oncorhynchus mykiss
US-09-727-739B-9

Query Match          77.6%; Score 45; DB 12; Length 115;
Best Local Similarity 88.9%; Pred. No. 6;
Matches 8; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 3 DNLPRERK 11
Db 93 NDLPRERK 101

RESULT 8
US-10-424-599-165683
; Sequence 165683, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 165683
; LENGTH: 58
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_120627C.1.pep
US-10-424-599-165683

Query Match          67.2%; Score 39; DB 12; Length 58;
Best Local Similarity 87.5%; Pred. No. 30;
Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 NDLPRERK 11
Db 10 SLPRERK 17

RESULT 9
US-10-424-599-189881
; Sequence 189881, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua

APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 189881
; LENGTH: 206
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_14247C.1.pep
US-10-424-599-189881

Query Match          67.2%; Score 39; DB 12; Length 206;
Best Local Similarity 75.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 3 DNLPRER 10
Db 189 DNLPRDK 196

RESULT 10
US-10-424-599-223133
; Sequence 223133, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 223133
; LENGTH: 208
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_4351C.1.pep
US-10-424-599-223133

Query Match          67.2%; Score 39; DB 12; Length 208;
Best Local Similarity 75.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 3 DNLPRER 10
Db 183 DNLPRDK 190

RESULT 11
US-10-424-599-223100
; Sequence 223100, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 223100
; LENGTH: 212
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```

; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_4348C.1.pep
US-10-424-599-223100
    
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```

Query Match          67.2%; Score 39; DB 12; Length 212;
Best Local Similarity 75.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
    
```

```

QY          3 DNLPPRR 10
           |||||:
Db          183 DNLPPRDK 190
    
```

```

RESULT 12
US-10-424-599-188856
; Sequence 188856, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 188856
; LENGTH: 224
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_141551C.1.pep
US-10-424-599-188856
    
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```

Query Match          67.2%; Score 39; DB 12; Length 224;
Best Local Similarity 75.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
    
```

```

QY          3 DNLPPRR 10
           |||||:
Db          202 DNLPPRDK 209
    
```

```

RESULT 13
US-10-424-599-223155
; Sequence 223155, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 223155
; LENGTH: 224
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_4353C.1.pep
US-10-424-599-223155
    
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```

Query Match          67.2%; Score 39; DB 12; Length 224;
Best Local Similarity 75.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
    
```

```

QY          3 DNLPPRR 10
           |||||:
Db          199 DNLPPRDK 206
    
```

```

RESULT 14
US-10-282-122A-49432
; Sequence 49432, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 49432
; LENGTH: 312
; TYPE: PRT
; ORGANISM: Burkholderia fungorum
US-10-282-122A-49432
    
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```

Query Match          67.2%; Score 39; DB 12; Length 312;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
    
```

```

QY          2 VDNLPPR 8
           |||||
Db          44 VDNLPPR 50
    
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```

RESULT 15
US-10-238-075-1044
; Sequence 1044, Application US/10238075
; Publication No. US20030148324A1
; GENERAL INFORMATION:
; APPLICANT: I.N.S.E.R.M.
; TITLE OF INVENTION: Polynucleotides which are of nature B2/D+ A- and which are isol
; TITLE OF INVENTION: E.coli, and biological uses of these polynucleotides and of the
    
```

```
FILE REFERENCE: BLANDINE
; CURRENT APPLICATION NUMBER: US/10/238,075
; CURRENT FILING DATE: 2002-09-10
; PRIOR APPLICATION NUMBER: 0003145
; PRIOR FILING DATE: 2000-03-10
; NUMBER OF SEQ ID NOS: 1576
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1044
; LENGTH: 370
; TYPE: PRT
; ORGANISM: Escherichia coli
; US-10-238-075-1044

Query Match
Best Local Similarity 67.2%; Score 39; DB 14; Length 370;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 VDNLPFR 8
DB 169 VDNLPFR 175

RESULT 16
US-10-425-114-66805
; Sequence 66805, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jindong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 66805
; LENGTH: 663
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB4746-072-G9_FLI.pep
; US-10-425-114-66805

Query Match
Best Local Similarity 67.2%; Score 39; DB 12; Length 663;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 2 VDNLPFR 11
DB 383 IDSLPFR 392

RESULT 17
US-09-050-516-46
; Sequence 46, Application US/09050516
; Patent No. US20010010904A1
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLAAS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; APPLICANT: ROBERTS-RAPP, LISA
; APPLICANT: RUSSELL, JOHN C.
```

```
APPLICANT: STROUDE, STEPHEN D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TITLE OF INVENTION: TRACT
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESS: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
; STATE: IL
; COUNTRY: USA
; ZIP: 60064-3500
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/050,516
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/828,855
; FILING DATE: 31-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Becker, Cheryl L.
; REGISTRATION NUMBER: 35,441
; REFERENCE/DOCKET NUMBER: 6065.US.P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 847/935-1729
; TELEFAX: 847/938-2623
; TELEX:
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. US20010010904A1e
; US-09-050-516-46

Query Match
Best Local Similarity 65.5%; Score 38; DB 9; Length 33;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 SVDNLPFR 11
DB 3 SVDAPPGQRK 13

RESULT 18
US-10-646-873-46
; Sequence 46, Application US/10646873
; Publication No. US20040043406A1
; GENERAL INFORMATION:
; APPLICANT: BILLING-MEDEL, PATRICIA
; APPLICANT: COHEN, MAURICE
; APPLICANT: COLPITS, TRACEY L.
; APPLICANT: FRIEDMAN, PAULA N.
; APPLICANT: GORDON, JULIAN
; APPLICANT: GRANADOS, EDWARD N.
; APPLICANT: HAYDEN, MARK
; APPLICANT: HODGES, STEVEN C.
; APPLICANT: KLAAS, MICHAEL R.
; APPLICANT: KRATOCHVIL, JON D.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
; TITLE OF INVENTION: FOR DETECTING DISEASES OF THE GASTROINTESTINAL
; TRACT
; NUMBER OF SEQUENCES: 49
; CORRESPONDENCE ADDRESS:
; ADDRESS: Abbott Laboratories
; STREET: 100 Abbott Park Road
; CITY: Abbott Park
```

STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/646,873  
FILING DATE: 22-Aug-2003  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/050,516  
FILING DATE: 30-MAR-1998  
APPLICATION NUMBER: 08/828,855  
FILING DATE: 31-MAR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6065.US.P1  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 46:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 33 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: NO. US20040043406A1e  
SEQUENCE DESCRIPTION: SEQ ID NO: 46:  
US-10-646-873-46

Query Match  
Best Local Similarity 65.5%; Score 38; DB 12; Length 33;  
Best Local Similarity 63.6%; Pred. No. 25;  
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 SVDNLPFRERK 11  
|||:|:|  
Db 3 SVD SAPGQRK 13

RESULT 19  
US-10-278-547-46  
; Sequence 46, Application US/10278547  
; Publication No. US20030082619A1  
; GENERAL INFORMATION:  
; APPLICANT: BILLING-MEDEL, PATRICIA  
; COHEN, MAURICE  
; COLPITTS, TRACEY L.  
; FRIEDMAN, PAULA N.  
; GORDON, JULIAN  
; GRANADOS, EDWARD N.  
; HAYDEN, MARK  
; HODGES, STEVEN C.  
; KLAS, MICHAEL R.  
; KRATOCHVIL, JON D.  
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL  
; FOR DETECTING DISEASES OF THE GASTROINTESTINAL  
; TRACT  
; NUMBER OF SEQUENCES: 49  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Abbott Laboratories  
; STREET: 100 Abbott Park Road  
; CITY: Abbott Park  
; STATE: IL  
; COUNTRY: USA  
; ZIP: 60064-3500  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/278,547  
FILING DATE: 23-Oct-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/050,516  
FILING DATE: <Unknown>  
APPLICATION NUMBER: 08/828,855  
FILING DATE: 31-MAR-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Becker, Cheryl L.  
REGISTRATION NUMBER: 35,441  
REFERENCE/DOCKET NUMBER: 6065.US.P1  
TELEPHONE: 847/935-1729  
TELEFAX: 847/938-2623  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 46:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 33 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: NO. US20030082619A1e  
SEQUENCE DESCRIPTION: SEQ ID NO: 46:  
US-10-278-547-46

Query Match  
Best Local Similarity 65.5%; Score 38; DB 14; Length 33;  
Best Local Similarity 63.6%; Pred. No. 25;  
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 SVDNLPFRERK 11  
|||:|:|  
Db 3 SVD SAPGQRK 13

RESULT 20  
US-10-424-599-258255  
; Sequence 258255, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 258255  
; LENGTH: 53  
; TYPE: PRT  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_75228C.1.pep  
; US-10-424-599-258255

Query Match  
Best Local Similarity 65.5%; Score 38; DB 12; Length 53;  
Best Local Similarity 50.0%; Pred. No. 40;  
Matches 5; Conservative 5; Mismatches 0; Indels 0; Gaps 0;

QY 2 VDNLPFRERK 11  
:|:|:|:|:|  
Db 26 IDSLPQEXR 35

RESULT 21  
US-09-764-860-343  
; Sequence 343, Application US/09764860



Patent No. US20020094953A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
FILE REFERENCE: PC008  
CURRENT APPLICATION NUMBER: US/09/764,860  
Prior application data removed - consult PALM or file wrapper  
NUMBER OF SEQ ID NOS: 1198  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 343  
LENGTH: 197  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (53)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
NAME/KEY: SITE  
LOCATION: (97)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-09-764-860-343

Query Match 65.5%; Score 38; DB 9; Length 197;  
Best Local Similarity 100.0%; Pred. No. 1.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SVDNLP 7  
Db 174 SVDNLP 180

RESULT 22  
US-10-074-095-343  
Sequence 343, Application US/10074095  
Publication No. US2003007704A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
FILE REFERENCE: PC008C1  
CURRENT APPLICATION NUMBER: US/10/074,095  
CURRENT FILING DATE: 2002-02-14  
PRIOR APPLICATION NUMBER: 09/764,860  
PRIOR FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: 60/179,065  
PRIOR FILING DATE: 2000-01-31  
PRIOR APPLICATION NUMBER: 60/180,628  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: 60/214,886  
PRIOR FILING DATE: 2000-06-28  
PRIOR APPLICATION NUMBER: 60/217,487  
PRIOR FILING DATE: 2000-07-11  
PRIOR APPLICATION NUMBER: 60/225,758  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/220,963  
PRIOR FILING DATE: 2000-07-26  
PRIOR APPLICATION NUMBER: 60/217,496  
PRIOR FILING DATE: 2000-07-11  
PRIOR APPLICATION NUMBER: 60/225,447  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/218,290  
PRIOR FILING DATE: 2000-07-14  
PRIOR APPLICATION NUMBER: 60/225,757  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/226,868  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 60/216,647  
PRIOR FILING DATE: 2000-07-07  
PRIOR APPLICATION NUMBER: 60/225,267  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/216,880  
PRIOR FILING DATE: 2000-07-07  
PRIOR APPLICATION NUMBER: 60/225,270

PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/251,869  
PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/235,834  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: 60/234,274  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: 60/234,223  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: 60/228,924  
PRIOR FILING DATE: 2000-08-30  
PRIOR APPLICATION NUMBER: 60/224,518  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/236,369  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/224,519  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/220,964  
PRIOR FILING DATE: 2000-07-26  
PRIOR APPLICATION NUMBER: 60/241,809  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/249,299  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/236,327  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/241,785  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/244,617  
PRIOR FILING DATE: 2000-11-01  
PRIOR APPLICATION NUMBER: 60/225,268  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/236,368  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/251,856  
PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/251,868  
PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/229,344  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/234,997  
PRIOR FILING DATE: 2000-09-25  
PRIOR APPLICATION NUMBER: 60/229,343  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,345  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,287  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,513  
PRIOR FILING DATE: 2000-09-05  
PRIOR APPLICATION NUMBER: 60/231,413  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/229,509  
PRIOR FILING DATE: 2000-09-05  
PRIOR APPLICATION NUMBER: 60/236,367  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/237,039  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,038  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/236,370  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/236,802  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,037  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,040  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/240,960  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/239,935  
PRIOR FILING DATE: 2000-10-13  
PRIOR APPLICATION NUMBER: 60/239,937  
PRIOR FILING DATE: 2000-10-13

PRIOR APPLICATION NUMBER: 60/241,787  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/246,474  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/246,532  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/249,216  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,210  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/226,681  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 60/225,759  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/225,213  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/227,182  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 60/225,214  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/235,836  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: 60/230,438  
PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/215,135  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: 60/225,266  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/249,218  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,208  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,213  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,212  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,207  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,245  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,244  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,217  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,211  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,215  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,264  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,214  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,297  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/232,400  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/231,242  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/232,081  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/232,080  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/231,414  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/231,244  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/233,064  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/233,063  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,397  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,399

PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,401  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/241,808  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,826  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,786  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,221  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/246,475  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/231,243  
PRIOR FILING DATE: 2000-09-08

Query Match 65.5%; Score 38; DB 14; Length 197;  
Best Local Similarity 100.0%; Pred. No. 1.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SVDNLP 7  
DB 174 SVDNLP 180

RESULT 23  
US-10-212-872-343  
Sequence 343, Application US/10212872  
Publication No. US2003021583A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
FILE REFERENCE: PC008C2  
CURRENT APPLICATION NUMBER: US/10/212,872  
CURRENT FILING DATE: 2002-08-07  
Prior application removed - See File Wrapper or Palm  
NUMBER OF SEQ ID NOS: 1198  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 343  
LENGTH: 197  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (53)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: (97)  
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
US-10-212-872-343

Query Match 65.5%; Score 38; DB 15; Length 197;  
Best Local Similarity 100.0%; Pred. No. 1.5e+02;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 SVDNLP 7  
DB 174 SVDNLP 180

RESULT 24  
US-10-369-493-10495  
Sequence 10495, Application US/10369493  
Publication No. US20030233675A1  
GENERAL INFORMATION:  
APPLICANT: Cao, Yongwei  
APPLICANT: Hinkle, Gregory J.  
APPLICANT: Slater, Steven C.  
APPLICANT: Goldman, Barry S.  
APPLICANT: Chen, Xianteng  
TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES

```
FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 10495
; LENGTH: 398
; TYPE: PRT
; ORGANISM: Sphingomonas aromaticivorans
US-10-369-493-10495
```

```
Query Match      65.5%; Score 38; DB 15; Length 398;
Best Local Similarity 63.6%; Pred. No. 3.2e+02;
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
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```
QY      1 SVDNLPPEERK 11
      :||:|:|:|:|
Db      41 AVDSLSPQERK 51
```

```
RESULT 25
US-10-369-493-3994
; Sequence 3994, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 3994
; LENGTH: 649
; TYPE: PRT
; ORGANISM: Neurospora crassa
US-10-369-493-3994
```

```
Query Match      65.5%; Score 38; DB 15; Length 649;
Best Local Similarity 66.7%; Pred. No. 5.2e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;
```

```
QY      3 DNLPPPERK 11
      |||:|:|:|
Db      292 DELPPKEXK 300
```

```
RESULT 26
US-10-412-699B-874
; Sequence 874, Application US/10412699B
; Publication No. US20040045049A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: Zhang, James
; APPLICANT: Fromm, Michael E.
; APPLICANT: Heard, Jacqueline E.
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Adam, Luc J.
; APPLICANT: Broun, Pierre E.
; APPLICANT: Pinada, Omaira
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddle, James S.
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Samaha, Raymond R.
; APPLICANT: Pilgrim, Marsha L.
```

```
APPLICANT: Creelman, Robert A.
; APPLICANT: Dubell, Arnold N.
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Kumimoto, Roderick
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MBI-0048CIP
; CURRENT APPLICATION NUMBER: US/10/412,699B
; CURRENT FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: 09/394,519
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 09/489,376
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 09/506,720
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 09/533,030
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,392
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,029
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/532,591
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,648
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/713,994
; PRIOR FILING DATE: 2000-11-16
; PRIOR APPLICATION NUMBER: 09/819,142
; PRIOR FILING DATE: 2001-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2011
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 874
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G1395
US-10-412-699B-874
```

```
Query Match      63.8%; Score 37; DB 12; Length 73;
Best Local Similarity 75.0%; Pred. No. 82;
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      4 NLPPPERK 11
      |||:|:|:|
Db      45 NLPPKXK 52
```

```
RESULT 27
US-10-278-173-62
; Sequence 62, Application US/10278173
; Publication No. US20030061637A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Broun, Pierre
; APPLICANT: Riechmann, Jose-Luis
; APPLICANT: Pinada, Omaira
; APPLICANT: Zhang, James
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Pilgrim, Marsha
; APPLICANT: Keddle, James
; APPLICANT: Heard, Jacqueline
; APPLICANT: Reuber, Lynne
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Adam, Luc
; APPLICANT: Samaha, Raymond
; TITLE OF INVENTION: POLYNUCLEOTIDES FOR ROOT TRAIT ALTERATION
; FILE REFERENCE: MBI-009
; CURRENT APPLICATION NUMBER: US/10/278,173
; CURRENT FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: US/09/533,392
; PRIOR FILING DATE: 2000-03-22
```

PRIOR APPLICATION NUMBER: 60/125,814  
PRIOR FILING DATE: 1999-03-23  
NUMBER OF SEQ ID NOS: 177  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 62  
LENGTH: 73  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
FEATURE:  
OTHER INFORMATION: G1395  
US-10-278-173-62

Query Match 63.8%; Score 37; DB 14; Length 73;  
Best Local Similarity 75.0%; Pred. No. 82;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 4 NLPPEKK 11  
Db 45 NLPPEKK 52

## RESULT 28

US-10-302-267-184  
Sequence 184, Application US/10302267  
Publication No. US20030229915A1  
GENERAL INFORMATION:  
APPLICANT: Keddie, James  
APPLICANT: Fromm, Michael  
APPLICANT: Heard, Jacqueline  
APPLICANT: Riechmann, Jose Luis  
APPLICANT: Adam, Luc  
APPLICANT: Brown, Pierre  
APPLICANT: Pineda, Ombra  
APPLICANT: Reuber, Lynne  
APPLICANT: Zhang, James  
APPLICANT: Yu, Guo-Liang  
APPLICANT: Jiang, Cai-Zhong  
APPLICANT: Samaha, Raymond  
APPLICANT: Pilgrim, Marsha  
APPLICANT: Creelman, Robert  
TITLE OF INVENTION: PLANT GENE SEQUENCES II  
FILE REFERENCE: MBI-0007  
CURRENT APPLICATION NUMBER: US/10/302,267  
CURRENT FILING DATE: 2002-11-22  
PRIOR APPLICATION NUMBER: US/09/506,720  
PRIOR FILING DATE: 2000-02-17  
PRIOR APPLICATION NUMBER: 60/120,880  
PRIOR FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: 60/121,037  
PRIOR FILING DATE: 1999-02-22  
PRIOR APPLICATION NUMBER: 60/124,278  
PRIOR FILING DATE: 1999-03-11  
PRIOR APPLICATION NUMBER: 60/129,450  
PRIOR FILING DATE: 1999-04-15  
PRIOR APPLICATION NUMBER: 60/135,134  
PRIOR FILING DATE: 1999-05-20  
PRIOR APPLICATION NUMBER: 60/144,153  
PRIOR FILING DATE: 1999-07-15  
PRIOR APPLICATION NUMBER: 60/161,143  
PRIOR FILING DATE: 1999-10-22  
PRIOR APPLICATION NUMBER: 60/162,656  
PRIOR FILING DATE: 1999-11-01  
NUMBER OF SEQ ID NOS: 218  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 184  
LENGTH: 73  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
FEATURE:  
OTHER INFORMATION: G1395  
US-10-302-267-184

Query Match 63.8%; Score 37; DB 15; Length 73;

Best Local Similarity 75.0%; Pred. No. 82;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 4 NLPPEKK 11  
Db 45 NLPPEKK 52

## RESULT 29

US-10-225-066A-960  
Sequence 960, Application US/10225066A  
Publication No. US20030226173A1  
GENERAL INFORMATION:  
APPLICANT: Mendel Biotechnology, Inc.  
APPLICANT: RATCLIFFE, Oliver  
APPLICANT: RIECHMANN, Jose Luis  
APPLICANT: ADAM, Luc J  
APPLICANT: DUBRELL, Arnold T  
APPLICANT: HEARD, Jacqueline E  
APPLICANT: PILGRIM, Marsha L  
APPLICANT: JIANG, Cai-Zhong  
APPLICANT: REUBER, T. Lynne  
APPLICANT: CREELMAN, Robert A  
APPLICANT: PINEDA, Ombra  
APPLICANT: YU, Guo-Liang  
APPLICANT: BROWN, Pierre E  
TITLE OF INVENTION: Yield-Related Polynucleotides and Polypeptides in Plants  
FILE REFERENCE: MBI0036-2 US  
CURRENT APPLICATION NUMBER: US/10/225,066A  
CURRENT FILING DATE: 2002-08-09  
PRIOR APPLICATION NUMBER: 09/837,444  
PRIOR FILING DATE: 2001-04-18  
PRIOR APPLICATION NUMBER: 60/310,847  
PRIOR FILING DATE: 2001-08-09  
PRIOR APPLICATION NUMBER: 60/336,049  
PRIOR FILING DATE: 2001-12-05  
PRIOR APPLICATION NUMBER: 60/338,692  
PRIOR FILING DATE: 2001-12-11  
PRIOR APPLICATION NUMBER: 10/171,468  
PRIOR FILING DATE: 2002-06-14  
NUMBER OF SEQ ID NOS: 1122  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 960  
LENGTH: 76  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
US-10-225-066A-960

Query Match 63.8%; Score 37; DB 12; Length 76;  
Best Local Similarity 75.0%; Pred. No. 85;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

OY 4 NLPPEKK 11  
Db 48 NLPPEKK 55

## RESULT 30

US-10-374-780A-2604  
Sequence 2604, Application US/10374780A  
Publication No. US20040019927A1  
GENERAL INFORMATION:  
APPLICANT: Sherman, Bradley K  
APPLICANT: Riechmann, Jose Luis  
APPLICANT: Jiang, Cai-Zhong  
APPLICANT: Heard, Jacqueline E  
APPLICANT: Haake, Volker  
APPLICANT: Creelman, Robert A  
APPLICANT: Ratcliffe, Oliver  
APPLICANT: Adam, Luc J  
APPLICANT: Reuber, T. Lynne  
APPLICANT: Keddie, James  
APPLICANT: Brown, Pierre E

APPLICANT: Pilgrim, Marsha L  
APPLICANT: Dubell III, Arnold T  
APPLICANT: Pineda, Omaisra  
APPLICANT: Yu, Guo-Liang  
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS  
FILE REFERENCE: MBI-0047 CIP  
CURRENT APPLICATION NUMBER: US/10/374,780A  
CURRENT FILING DATE: 2003-02-25  
PRIOR APPLICATION NUMBER: 09/837,944  
PRIOR FILING DATE: 2001-04-18  
PRIOR APPLICATION NUMBER: 60/310,847  
PRIOR FILING DATE: 2001-08-09  
PRIOR APPLICATION NUMBER: 09/934,455  
PRIOR FILING DATE: 2001-08-22  
PRIOR APPLICATION NUMBER: 60/336,049  
PRIOR FILING DATE: 2001-11-19  
PRIOR APPLICATION NUMBER: 60/338,692  
PRIOR FILING DATE: 2001-12-11  
PRIOR APPLICATION NUMBER: 10/171,468  
PRIOR FILING DATE: 2002-06-14  
PRIOR APPLICATION NUMBER: 10/225,066  
PRIOR FILING DATE: 2002-08-09  
PRIOR APPLICATION NUMBER: 10/225,067  
PRIOR FILING DATE: 2002-08-09  
PRIOR APPLICATION NUMBER: 10/225,068  
PRIOR FILING DATE: 2002-08-09  
NUMBER OF SEQ ID NOS: 2906  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 2604  
LENGTH: 76  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana  
FEATURE:  
OTHER INFORMATION: G1396  
US-10-374-780A-2604

Query Match 63.8%; Score 37; DB 15; Length 76;  
Best Local Similarity 75.0%; Pred. No. 85;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 4 NLPPrERK 11  
Db 48 NLPPrKKX 55

RESULT 31  
US-10-425-114-37075  
Sequence 37075, Application US/10425114  
Publication No. US20040034888A1  
GENERAL INFORMATION:  
APPLICANT: Liu, Jingdong  
APPLICANT: Zhou, Yihua  
APPLICANT: Kovalic, David K.  
APPLICANT: Screen, Steven E  
APPLICANT: Tabaska, Jack E  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(53313)B  
CURRENT APPLICATION NUMBER: US/10/425,114  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 73128  
SEQ ID NO 37075  
LENGTH: 100  
TYPE: PRT  
ORGANISM: Arabidopsis thaliana nossen  
FEATURE:  
OTHER INFORMATION: Clone ID: LIB3234-004-El\_FLI.pep  
US-10-425-114-37075

Query Match 63.8%; Score 37; DB 12; Length 100;  
Best Local Similarity 75.0%; Pred. No. 1.e+02;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 4 NLPPrERK 11  
Db 72 NLPPrKKX 79

RESULT 32  
US-10-156-761-11847  
Sequence 11847, Application US/10156761  
Publication No. US20030119018A1  
GENERAL INFORMATION:  
APPLICANT: OMURA, SATOSHI  
APPLICANT: IKEDA, HARUO  
APPLICANT: ISHIKAWA, JUN  
APPLICANT: HORIKAWA, HIROSHI  
APPLICANT: SHIBA, TADAYOSHI  
APPLICANT: SAKAKI, YOSHIYUKI  
APPLICANT: HATTORI, MASAHIRA  
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES  
FILE REFERENCE: 249-262  
CURRENT APPLICATION NUMBER: US/10/156,761  
CURRENT FILING DATE: 2002-05-29  
PRIOR APPLICATION NUMBER: JP 2001-204089  
PRIOR FILING DATE: 2001-05-30  
PRIOR APPLICATION NUMBER: JP 2001-272697  
PRIOR FILING DATE: 2001-08-02  
NUMBER OF SEQ ID NOS: 15109  
SEQ ID NO 11847  
LENGTH: 117  
TYPE: PRT  
ORGANISM: Streptomyces avermitilis  
US-10-156-761-11847

Query Match 63.8%; Score 37; DB 14; Length 117;  
Best Local Similarity 66.7%; Pred. No. 1.3e+02;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 VDNLPPrER 10  
Db 65 VDHVPPrKR 73

RESULT 33  
US-10-425-114-67589  
Sequence 67589, Application US/10425114  
Publication No. US20040034888A1  
GENERAL INFORMATION:  
APPLICANT: Liu, Jingdong  
APPLICANT: Zhou, Yihua  
APPLICANT: Kovalic, David K.  
APPLICANT: Screen, Steven E  
APPLICANT: Tabaska, Jack E  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(53313)B  
CURRENT APPLICATION NUMBER: US/10/425,114  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 73128  
SEQ ID NO 67589  
LENGTH: 338  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:  
OTHER INFORMATION: Clone ID: LIB3153-011-G8\_FLI.pep  
US-10-425-114-67589

Query Match 63.8%; Score 37; DB 12; Length 338;  
Best Local Similarity 54.5%; Pred. No. 3.9e+02;  
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 SVDNLPPrERK 11  
Db 1 SVDNLPPrERK 11



Db 16 SAQNLPPKHK 26

## RESULT 34

US-10-369-493-661  
; Sequence 661, Application US/10369493  
; Publication No. US2003023675A1  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; PRIOR FILING DATE: 2003-02-28  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 661  
; LENGTH: 339  
; TYPE: PRT  
; ORGANISM: Deinococcus radiodurans  
US-10-369-493-661

Query Match 63.8%; Score 37; DB 15; Length 339;  
Best Local Similarity 63.6%; Pred. No. 3.9e+02;  
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 STDNLPPRRK 11  
|:|||||  
Db 38 SLGKLPPRRK 48

## RESULT 35

US-10-282-122A-65111  
; Sequence 65111, Application US/10282122A  
; Publication No. US20040029129A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyskind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELITRA.034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A  
; PRIOR FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347  
; PRIOR FILING DATE: 2000-09-09  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22

; PRIOR APPLICATION NUMBER: 60/267,636  
; PRIOR FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/269,308  
; PRIOR FILING DATE: 2001-02-16  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 78614  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 65111  
; LENGTH: 484  
; TYPE: PRT  
; ORGANISM: Neisseria gonorrhoeae  
US-10-282-122A-65111

Query Match 63.8%; Score 37; DB 12; Length 484;  
Best Local Similarity 66.7%; Pred. No. 5.7e+02;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 VDNLPPRR 10  
:::|||||  
Db 77 LESLPPRR 85

## RESULT 36

US-10-282-122A-65706  
; Sequence 65706, Application US/10282122A  
; Publication No. US20040029129A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos  
; APPLICANT: Malone, Cheryl  
; APPLICANT: Haselbeck, Robert  
; APPLICANT: Ohlsen, Kari  
; APPLICANT: Zyskind, Judith  
; APPLICANT: Wall, Daniel  
; APPLICANT: Trawick, John  
; APPLICANT: Carr, Grant  
; APPLICANT: Yamamoto, Robert  
; APPLICANT: Forsyth, R.  
; APPLICANT: Xu, H.  
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
; FILE REFERENCE: ELITRA.034A  
; CURRENT APPLICATION NUMBER: US/10/282,122A  
; PRIOR FILING DATE: 2003-02-20  
; PRIOR APPLICATION NUMBER: 60/191,078  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: 60/206,848  
; PRIOR FILING DATE: 2000-05-23  
; PRIOR APPLICATION NUMBER: 60/207,727  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 60/230,335  
; PRIOR FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: 60/230,347  
; PRIOR FILING DATE: 2000-09-09  
; PRIOR APPLICATION NUMBER: 60/242,578  
; PRIOR FILING DATE: 2000-10-23  
; PRIOR APPLICATION NUMBER: 60/253,625  
; PRIOR FILING DATE: 2000-11-27  
; PRIOR APPLICATION NUMBER: 60/257,931  
; PRIOR FILING DATE: 2000-12-22  
; PRIOR APPLICATION NUMBER: 60/267,636  
; PRIOR FILING DATE: 2001-02-16  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 78614  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 65706  
; LENGTH: 484  
; TYPE: PRT  
; ORGANISM: Neisseria meningitidis  
US-10-282-122A-65706

Query Match 63.8%; Score 37; DB 12; Length 484;

Best Local Similarity 66.7%; Pred. No. 5.7e+02;  
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 2 VDNLPERR 10  
: : : : :  
Db 77 LESLPERR 85

## RESULT 37

US-10-369-493-5939  
; Sequence 5939, Application US/10369493  
; Publication No. US20030233675A1  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; CURRENT FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 5939  
; LENGTH: 1311  
; TYPE: PRT  
; ORGANISM: Caenorhabditis elegans  
US-10-369-493-5939

Query Match 63.8%; Score 37; DB 15; Length 1311;  
Best Local Similarity 75.0%; Pred. No. 1.6e+03;  
Matches 6; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 SVDNLPERR 8  
: : : : :  
Db 16 SLDNLPK 23

## RESULT 38

US-10-174-677-39  
; Sequence 39, Application US/10174677  
; Publication No. US20030190704A1  
; GENERAL INFORMATION:  
; APPLICANT: Xie, Ting  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR ANCHORING STEM CELLS IN A MICROENVIR  
; FILE REFERENCE: 40716(IP-012)  
; CURRENT APPLICATION NUMBER: US/10/174,677  
; CURRENT FILING DATE: 2002-06-19  
; NUMBER OF SEQ ID NOS: 117  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 39  
; LENGTH: 1955  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-174-677-39

Query Match 63.8%; Score 37; DB 14; Length 1955;  
Best Local Similarity 54.5%; Pred. No. 2.4e+03;  
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 SVDNLPERR 11  
: : : : :  
Db 585 AADNAPPAERR 595

## RESULT 39

US-10-085-198-20  
; Sequence 20, Application US/10085198  
; Publication No. US20040009907A1  
; GENERAL INFORMATION:

; APPLICANT: Alsobrook et al.  
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
; FILE REFERENCE: 21402-279  
; CURRENT APPLICATION NUMBER: US/10/085,198  
; CURRENT FILING DATE: 2002-02-25  
; PRIOR APPLICATION NUMBER: 60/271,646  
; PRIOR FILING DATE: 2001-02-26  
; PRIOR APPLICATION NUMBER: 60/276,401  
; PRIOR FILING DATE: 2001-03-16  
; PRIOR APPLICATION NUMBER: 60/311,981  
; PRIOR FILING DATE: 2001-08-13  
; PRIOR APPLICATION NUMBER: 60/312,858  
; PRIOR FILING DATE: 2001-08-16  
; PRIOR APPLICATION NUMBER: 60/271,840  
; PRIOR FILING DATE: 2001-02-27  
; PRIOR APPLICATION NUMBER: 60/277,324  
; PRIOR FILING DATE: 2001-03-20  
; PRIOR APPLICATION NUMBER: 60/286,096  
; PRIOR FILING DATE: 2001-04-21  
; PRIOR APPLICATION NUMBER: 60/299,695  
; PRIOR FILING DATE: 2001-06-20  
; PRIOR APPLICATION NUMBER: 60/315,614  
; PRIOR FILING DATE: 2001-08-29  
; PRIOR APPLICATION NUMBER: 60/272,405  
; PRIOR FILING DATE: 2001-02-28

Remaining Prior Application data removed - See File Wrapper or PALM.

; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 20  
; LENGTH: 1972  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-085-198-20

Query Match 63.8%; Score 37; DB 15; Length 1972;  
Best Local Similarity 54.5%; Pred. No. 2.4e+03;  
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 SVDNLPERR 11  
: : : : :  
Db 589 AADNAPPAERR 599

## RESULT 40

US-10-085-198-18  
; Sequence 18, Application US/10085198  
; Publication No. US20040009907A1  
; GENERAL INFORMATION:  
; APPLICANT: Alsobrook et al.  
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
; FILE REFERENCE: 21402-279  
; CURRENT APPLICATION NUMBER: US/10/085,198  
; CURRENT FILING DATE: 2002-02-25  
; PRIOR APPLICATION NUMBER: 60/271,646  
; PRIOR FILING DATE: 2001-02-26  
; PRIOR APPLICATION NUMBER: 60/276,401  
; PRIOR FILING DATE: 2001-03-16  
; PRIOR APPLICATION NUMBER: 60/311,981  
; PRIOR FILING DATE: 2001-08-13  
; PRIOR APPLICATION NUMBER: 60/312,858  
; PRIOR FILING DATE: 2001-08-16  
; PRIOR APPLICATION NUMBER: 60/271,840  
; PRIOR FILING DATE: 2001-02-27  
; PRIOR APPLICATION NUMBER: 60/277,324  
; PRIOR FILING DATE: 2001-03-20  
; PRIOR APPLICATION NUMBER: 60/286,096  
; PRIOR FILING DATE: 2001-04-21  
; PRIOR APPLICATION NUMBER: 60/299,695  
; PRIOR FILING DATE: 2001-06-20  
; PRIOR APPLICATION NUMBER: 60/315,614  
; PRIOR FILING DATE: 2001-08-29  
; PRIOR APPLICATION NUMBER: 60/272,405  
; PRIOR FILING DATE: 2001-02-28

Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 653  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 18  
; LENGTH: 1973  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-085-198-18

Query Match 63.8%; Score 37; DB 15; Length 1973;  
Best Local Similarity 54.5%; Pred. No. 2.4e+03;  
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

OY 1 SYDNLPPEPRK 11  
: || || || :  
Db 590 AADNAPPAERR 600

Search completed: May 6, 2004, 17:05:56  
Job time : 8.51502 secs

GenCore version 5.1.6  
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## OM protein - protein search, using sw model

Run on: May 6, 2004, 16:44:09 ; Search time 5.6867 Seconds  
(without alignments)  
226.959 Million cell updates/sec

Title: US-09-727-739B-19  
Perfect score: 122  
Sequence: 1 MRVSQTHCALALLGLALATCSOGAA 25

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep:\*  
2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep:\*  
3: /cgn2\_6/ptodata/2/iaa/6A\_COMB.pep:\*  
4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/2/iaa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/ptodata/2/iaa/backfilest1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	54	44.3	370	US-09-489-039A-10354	Sequence 10354, A
2	49	40.2	575	US-09-252-991A-26328	Sequence 26328, A
3	47	38.5	210	US-09-198-452A-641	Sequence 641, App
4	47	38.5	516	US-09-489-039A-7660	Sequence 7660, App
5	46	37.7	433	US-09-705-448-3	Sequence 3, Appli
6	46	37.7	445	US-08-974-691-6	Sequence 6, Appli
7	46	37.7	451	US-08-974-691-2	Sequence 2, Appli
8	46	37.7	509	US-09-252-991A-22513	Sequence 22513, A
9	46	37.7	829	US-09-252-991A-28854	Sequence 28854, A
10	45.5	37.3	469	US-09-252-991A-25581	Sequence 25581, A
11	45	36.9	389	US-09-252-991A-31590	Sequence 31590, A
12	45	36.9	419	US-08-974-691-3	Sequence 3, Appli
13	45	36.9	419	US-09-705-448-10	Sequence 10, Appli
14	45	36.9	438	US-09-252-991A-16758	Sequence 16758, A
15	45	36.9	116	US-09-621-976-5268	Sequence 5268, App
16	44.5	36.5	296	US-09-252-991A-22293	Sequence 22293, A
17	44	36.1	350	US-08-637-670-25	Sequence 25, Appli
18	44	36.1	375	US-09-489-039A-11261	Sequence 11261, A
19	43.5	35.7	91	US-09-134-000C-6575	Sequence 6575, App
20	43.5	35.7	91	US-09-134-000C-6683	Sequence 6683, App
21	43	35.2	249	US-09-105-343A-2	Sequence 2, Appli
22	43	35.2	451	US-09-328-352-5922	Sequence 5922, App
23	42	34.4	81	US-08-469-667-14	Sequence 14, Appli
24	42	34.4	81	US-09-224-110-14	Sequence 14, Appli
25	42	34.4	81	PCT-US95-07289-14	Sequence 14, Appli
26	42	34.4	89	US-09-543-681A-7500	Sequence 7500, App
27	42	34.4	113	US-09-198-452A-450	Sequence 450, App

28	42	34.4	266	4	US-09-252-991A-18046	Sequence 18046, A
29	42	34.4	395	1	US-08-723-938-3	Sequence 3, Appli
30	42	34.4	395	2	US-09-080-538-3	Sequence 3, Appli
31	42	34.4	395	4	US-09-387-413-3	Sequence 3, Appli
32	42	34.4	420	3	US-09-008-271A-4	Sequence 4, Appli
33	42	34.4	420	3	US-08-974-691-8	Sequence 1, Appli
34	42	34.4	420	4	US-09-705-448-1	Sequence 5543, App
35	42	34.4	428	4	US-09-328-352-5543	Sequence 7902, App
36	42	34.4	478	4	US-09-489-039A-7902	Sequence 520, App
37	42	34.4	1027	4	US-09-162-021B-2	Sequence 520, App
38	41	33.6	147	4	US-08-469-260A-520	Sequence 520, App
39	41	33.6	147	4	US-08-488-446-520	Sequence 520, App
40	41	33.6	147	4	US-08-467-344A-520	Sequence 15, Appli
41	41	33.6	485	1	US-08-453-956-15	Sequence 15, Appli
42	41	33.6	485	1	US-08-086-631-15	Sequence 15, Appli
43	41	33.6	485	2	US-08-452-930-15	Sequence 15, Appli
44	41	33.6	485	5	PCT-US93-08174-15	Sequence 13363, A
45	41	33.6	488	4	US-09-489-039A-13363	

## ALIGNMENTS

RESULT 1  
US-09-489-039A-10354  
; Sequence 10354, Application US/09489039A  
; Patent No. 6610836  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
; FILE REFERENCE: 2709.2004001  
; CURRENT APPLICATION NUMBER: US/09/489, 039A  
; PRIOR FILING DATE: 2000-01-27  
; PRIOR APPLICATION NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO 10354  
; LENGTH: 370  
; TYPE: PRT  
; ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-10354

Query Match 44.3%; Score 54; DB 4; Length 370;  
Best Local Similarity 45.8%; Pred. No. 1.7;  
Matches 11; Conservative 6; Mismatches 7; Indels 0; Gaps 0;

OY 1 MRVSQTHCALALLGLALATCSOGA 24  
DB 3 LRINAVHLAVCLLPALAGCGEPA 26

RESULT 2  
US-09-252-991A-26328  
; Sequence 26328, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252, 991A  
; PRIOR FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 26328  
; LENGTH: 575  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-26328

Query Match 40.2%; Score 49; DB 4; Length 575;  
Best Local Similarity 55.0%; Pred. No. 16;  
Matches 11; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 6 IHGALALGLALAICSGAA 25  
Db 46 LHPRLRLPLALCAAGAA 65

RESULT 3  
US-09-198-452A-641  
Sequence 641, Application US/09198452A

Patent No. 6559294  
GENERAL INFORMATION:  
APPLICANT: Griflais, R.  
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments  
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention  
TITLE OF INVENTION: and treatment of infection  
FILE REFERENCE: 9710-003-999  
CURRENT APPLICATION NUMBER: US/09/198,452A  
CURRENT FILING DATE: 1998-11-24  
NUMBER OF SEQ ID NOS: 6849  
SEQ ID NO 641  
LENGTH: 210  
TYPE: PRT  
ORGANISM: Chlamydia pneumoniae  
US-09-198-452A-641

Query Match 38.5%; Score 47; DB 4; Length 210;  
Best Local Similarity 45.0%; Pred. No. 10;  
Matches 9; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

QY 5 QIHGALALGLALAICSGAA 24  
Db 48 EIASAIAIHLVAFCAASAA 67

RESULT 4  
US-09-489-039A-7660  
Sequence 7660, Application US/09489039A  
Patent No. 6610836  
GENERAL INFORMATION:  
APPLICANT: Gary Breton et. al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA  
TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 2709.2004001  
CURRENT APPLICATION NUMBER: US/09/489,039A  
CURRENT FILING DATE: 2000-01-27  
PRIOR APPLICATION NUMBER: US 60/117,747  
PRIOR FILING DATE: 1999-01-29  
NUMBER OF SEQ ID NOS: 14342  
SEQ ID NO 7660  
LENGTH: 516  
TYPE: PRT  
ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-7660

Query Match 38.5%; Score 47; DB 4; Length 516;  
Best Local Similarity 76.9%; Pred. No. 28;  
Matches 10; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 13 LGLALAICSGAA 25  
Db 324 LGLALAICSGAA 336

RESULT 5  
US-09-705-448-3  
Sequence 3, Application US/09705448  
Patent No. 6432690  
GENERAL INFORMATION:  
APPLICANT: Xu, Hong

APPLICANT: Bruno, Sandra A.  
APPLICANT: Eisenboss, Laura A.  
APPLICANT: Fogliano, Michael  
APPLICANT: Cohan, Victoria L.  
APPLICANT: Bandman, Olga  
TITLE OF INVENTION: HUMAN ASPARTIC PROTEASES  
FILE REFERENCE: PF-0458-1 CIP  
CURRENT APPLICATION NUMBER: US/09/705,448  
CURRENT FILING DATE: 2000-11-02  
PRIOR APPLICATION NUMBER: 09/116,641  
PRIOR FILING DATE: 1998-07-16  
PRIOR APPLICATION NUMBER: 09/008,271  
PRIOR FILING DATE: 1998-01-16  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 3  
LENGTH: 433  
TYPE: PRT  
ORGANISM: HOMO SAPIENS  
FEATURE:  
NAME/KEY: unsure  
LOCATION: 322  
OTHER INFORMATION: 2435410, EOSINOTO3  
US-09-705-448-3

Query Match 37.7%; Score 46; DB 4; Length 433;  
Best Local Similarity 42.9%; Pred. No. 33;  
Matches 9; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY 5 QIHGALALGLALAICSGAA 25  
Db 259 QIHMERVKVGRSLTLCAQGA 279

RESULT 6  
US-08-974-691-6  
Sequence 6, Application US/08974691  
Patent No. 6225103  
GENERAL INFORMATION:  
APPLICANT: Keolsch, Gerald  
APPLICANT: Lin, Xindi  
APPLICANT: Tang, Jordan  
TITLE OF INVENTION: Cloning and Characterization of Napsin  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Patrea L. Pabst  
STREET: 2800 One Atlantic Center, 1201 W. Peachtree  
STREET: St.  
CITY: Atlanta  
STATE: GA  
COUNTRY: USA  
ZIP: 30309-3450  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/974,691  
FILING DATE: 20-NOV-1997  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/031,196  
FILING DATE: 20-NOV-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/046,126  
FILING DATE: 09-MAY-1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Pabst, Patrea L.  
REGISTRATION NUMBER: 31,284  
REFERENCE/DOCKET NUMBER: OMRF 166  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 404-873-8794



TELEFAX: 404-873-8795  
; INFORMATION FOR SEQ ID NO: 6:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 445 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; ORIGINAL SOURCE:  
; ORGANISM: Homo sapiens  
; US-08-974-691-6

Query Match 37.7%; Score 46; DB 3; Length 445;  
Best Local Similarity 42.9%; Pred. No. 34;  
Matches 9; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY 5 QIHCAALLGLALAICSGAA 25  
Db 259 QIHMERVKVGSRLTLCAQGCA 279

## RESULT 7

US-08-974-691-2  
; Sequence 2, Application US/08974691  
; Patent No. 6225103

; GENERAL INFORMATION:  
; APPLICANT: Keolsch, Gerald  
; APPLICANT: Lin, Xinh  
; APPLICANT: Tang, Jordan  
; TITLE OF INVENTION: Cloning and Characterization of Napsin  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Patrea L. Pabst  
; STREET: 2800 One Atlantic Center, 1201 W. Peachtree  
; STREET: St.  
; CITY: Atlanta  
; STATE: GA  
; COUNTRY: USA  
; ZIP: 30309-3450

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/974,691  
; FILING DATE: 20-NOV-1997  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/031,196  
; FILING DATE: 20-NOV-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/046,126  
; FILING DATE: 09-MAY-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Pabst, Patrea L.  
; REGISTRATION NUMBER: 31,284  
; REFERENCE/DOCKET NUMBER: OMRF 166  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 404-873-8794  
; TELEFAX: 404-873-8795

; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 451 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; ORIGINAL SOURCE:  
; ORGANISM: Homo sapiens  
; US-08-974-691-2

Query Match 37.7%; Score 46; DB 3; Length 451;

Best Local Similarity 42.9%; Pred. No. 35;  
Matches 9; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

QY 5 QIHCAALLGLALAICSGAA 25  
Db 259 QIHMERVKVGSRLTLCAQGCA 279

## RESULT 8

US-09-252-991A-22513  
; Sequence 22513, Application US/09252991A  
; Patent No. 6551795

; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; PRIOR FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 22513  
; LENGTH: 509  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
; US-09-252-991A-22513

Query Match 37.7%; Score 46; DB 4; Length 509;  
Best Local Similarity 57.9%; Pred. No. 40;  
Matches 11; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 7 HCAALALGLALAICSGAA 25  
Db 196 HLPYPLGLFLALSTGAA 214

## RESULT 9

US-09-252-991A-28854  
; Sequence 28854, Application US/09252991A  
; Patent No. 6551795

; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; PRIOR FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 28854  
; LENGTH: 829  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
; US-09-252-991A-28854

Query Match 37.7%; Score 46; DB 4; Length 829;  
Best Local Similarity 42.1%; Pred. No. 69;  
Matches 8; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

QY 7 HCAALALGLALAICSGAA 25  
Db 482 HCGIGEVGSGIAFCEQVAA 500

## RESULT 10

US-09-252-991A-25581  
; Sequence 25581, Application US/09252991A



Query Match 36.9%; Score 45; DB 4; Length 419;  
Best Local Similarity 33.3%; Pred. No. 45;  
Matches 7; Conservative 6; Mismatches 8; Indels 0; Gaps 0;

QY 5 QIHCAALLGLALAICSGGA 25  
Db 254 QVHMSVKVGTGSLCAQCS 274

RESULT 14

US-09-252-991A-16758  
; Sequence 16758, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; PRIOR FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 16758  
; LENGTH: 438  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-16758

Query Match 36.9%; Score 45; DB 4; Length 438;  
Best Local Similarity 64.3%; Pred. No. 48;  
Matches 9; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 7 HCAALLGLALAIC 20  
Db 302 YCAEALLGLALKPC 315

RESULT 15

US-09-621-976-5268  
; Sequence 5268, Application US/09621976  
; Patent No. 6639063  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.  
; FILE REFERENCE: GENSET.054PR2  
; CURRENT APPLICATION NUMBER: US/09/621,976  
; CURRENT FILING DATE: 2000-07-21  
; NUMBER OF SEQ ID NOS: 19335  
; SOFTWARE: Patent.pm  
; SEQ ID NO 5268  
; LENGTH: 116  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: SIGNAL  
; LOCATION: -27...-1  
US-09-621-976-5268

Query Match 36.5%; Score 44.5; DB 4; Length 116;  
Best Local Similarity 47.6%; Pred. No. 13;  
Matches 10; Conservative 4; Mismatches 6; Indels 1; Gaps 1;

QY 5 QIHCAALLGLALAI-CSOGA 24  
Db 5 RIQCALAALSLVIALGCVTGA 25

RESULT 16

US-09-252-991A-22293  
; Sequence 22293, Application US/09252991A  
; Patent No. 6551795  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; FILE REFERENCE: 107196.136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; PRIOR FILING DATE: 1999-02-18  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO 22293  
; LENGTH: 296  
; TYPE: PRT  
; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-22293

Query Match 36.1%; Score 44; DB 4; Length 296;  
Best Local Similarity 47.1%; Pred. No. 43;  
Matches 8; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 8 CALALLGLALAICSGGA 24  
Db 68 CAVSLGLGLMLPASGA 84

RESULT 17

US-08-637-670-25  
; Sequence 25, Application US/08637670  
; Patent No. 6413521  
; GENERAL INFORMATION:  
; APPLICANT: MCMICHAEL-PHILIPS et al.  
; TITLE OF INVENTION: Helminth Parasite Antigen with  
; TITLE OF INVENTION: Aminopeptidase-like Activity  
; NUMBER OF SEQUENCES: 43  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Barbara G. Ernst  
; STREET: 555 13TH STREET, NW Suite 701E  
; CITY: Washington  
; STATE: DC  
; COUNTRY: USA  
; ZIP: 20004  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/637,670  
; FILING DATE: 26-JUN-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ernst, Barbara G.  
; REGISTRATION NUMBER: 30,377  
; REFERENCE/DOCKET NUMBER: 1811-0232  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-783-6040  
; TELEFAX: 202-783-6031  
; INFORMATION FOR SEQ ID NO: 25:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 350 amino acids  
; TYPE: amino acid  
; STRANDEDNESS:  
; TOPOLOGY: linear  
; MOLECULE TYPE: peptide  
US-08-637-670-25

Query Match 36.1%; Score 44; DB 4; Length 350;  
Best Local Similarity 42.1%; Pred. No. 53;

Matches	8;	Conservative	8;	Mismatches	3;	Indels	0;	Gaps	0;
QY	1	MRVSQIHCAALALGLALAI	19						
		:::: :::    ::: :							
Db	12	LRLTPITLSIALGLIAVAV	30						

```

RESULT 18
US-09-489-039A-11261
; Sequence 11261, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489, 039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117, 747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 11261
; LENGTH: 375
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-11261

```

Query Match	36.1%;	Score 44;	DB 4;	Length 375;
Best Local	Similarity 50.0%;	Pred. NO. 57;		
Matches	9;	Conservative 5;	Mismatches 4;	Indels 0;
			Gaps 0;	
Qy	3	VSQIHCAALLGLALAIC	20	
		: :::     :		
Db	264	LSEINLGIALLLALVLC	281	

```

RESULT 19
US-09-134-000C-6575
; Sequence 6575, Application US/09134000C
; Patent No. 6617156
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6575
;
; LENGTH: 91
;
; TYPE: PR1
;
; ORGANISM: Enterococcus faecalis
US-09-134-000C-6575

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Query Match	35.7%;	Score 43.5;	DB 4;	Length 91;
Best Local Similarity	44.0%;	Pred. No. 14;		
Matches	11;	Conservative 5;	Mismatches 6;	Indels 3;
			Gaps	1;
QY	4	SQIHCAALLG---LATAICSGAA	25	
		: : : : : :		
DB	18	SQVITLLVITGLVSLVAVATOGAA	42	

RESULT 20  
US-09-134-000C-6683  
; Sequence 6683, Application US/09134000C  
; Patent No. 6617156  
; GENERAL INFORMATION:  
; APPLICANT: Lynn Doucette-Stamm et al  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO

```

; TITLE OF INVENTION: ENTEROCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 032796-032
; CURRENT APPLICATION NUMBER: US/09/134,000C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/055,778
; PRIOR FILING DATE: 1997-08-15
; NUMBER OF SEQ ID NOS: 6812
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6683
;
; LENGTH: 91
;
; TYPE: PRT
;
; ORGANISM: Enterococcus faecalis
US-09-134-000C-6683

```

Query Match	35.7%;	Score 43.5;	DB 4;	length 91;
Best Local Similarity	44.0%;	Pred. No. 14;		
Matches	11;	Conservative	5;	Mismatches
			6;	Indels
				Gaps
				1;

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Query Match	35.2%;	Score 43;	DB 3;	Length 249;
Best Local Similarity	62.5%;	Pred. No. 51;		
Matches 10; Conservative	2;	Mismatches	4;	Indels 0; Gaps 0





```

; CITY: Roseland
; STATE: NJ
; COUNTRY: USA
; ZIP: 07068-1739
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07289
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 325800-265
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 81 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US95-07289-14

Query Match          34.4%; Score 42; DB 5; Length 81;
Best Local Similarity 52.9%; Pred. No. 20;
Matches 9; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 9 ALALIGLALICSGAA 25
DB 5 ALCMLGLVALLSSSSA 21

RESULT 26
US-09-543-681A-7500
; Sequence 7500, Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 7500
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Proteus mirabilis
; US-09-543-681A-7500

Query Match          34.4%; Score 42; DB 4; Length 89;
Best Local Similarity 37.5%; Pred. No. 22;
Matches 6; Conservative 6; Mismatches 4; Indels 0; Gaps 0;

QY 3 VSQIHCAALIGLALA 18
DB 32 IPNIYCCALIGITIS 47

RESULT 27
US-09-198-452A-450
; Sequence 450, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffiths, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
```

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; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prev
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/09/198,452A
; CURRENT FILING DATE: 1998-11-24
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 450
; LENGTH: 113
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
; US-09-198-452A-450

Query Match          34.4%; Score 42; DB 4; Length 113;
Best Local Similarity 47.1%; Pred. No. 29;
Matches 8; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 4 SQIHCAALIGLALIC 20
DB 67 SQLRCAALYIGLALIC 83

RESULT 28
US-09-252-991A-18046
; Sequence 18046, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 18046
; LENGTH: 266
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-18046

Query Match          34.4%; Score 42; DB 4; Length 266;
Best Local Similarity 69.2%; Pred. No. 78;
Matches 9; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 9 ALALIGLALICS 21
DB 14 AVSLALALAAACS 26

RESULT 29
US-08-723-938-3
; Sequence 3, Application US/08723938
; Patent No. 5776759
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Coleman, Roger
; TITLE OF INVENTION: TWO NOVEL HUMAN CATHESPIN PROTEINS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
```

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/723,938  
FILING DATE:  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0125 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 395 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
IMMEDIATE SOURCE:  
LIBRARY: LUNGN0T02  
CLONE: 312099  
US-08-723-938-3

Query Match 34.4%; Score 42; DB 1; Length 395;  
Best Local Similarity 38.1%; Pred. No. 1.2e+02;  
Matches 8; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

QY 5 QIHGALLGLALAI CSOGAA 25  
Db 259 QIHMERVYVPGTLTCAKGA 279

RESULT 30  
US-09-080-538-3  
Sequence 3, Application US/09080538  
Patent No. 5965129  
GENERAL INFORMATION:  
APPLICANT: Bandman, Olga  
APPLICANT: Coleman, Roger  
TITLE OF INVENTION: TWO NOVEL HUMAN CATHESPIN PROTEINS  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: U.S.  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/080,538  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/723,938  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0125 US  
TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX:  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 395 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
IMMEDIATE SOURCE:  
LIBRARY: LUNGN0T02  
CLONE: 312099  
US-09-080-538-3

Query Match 34.4%; Score 42; DB 2; Length 395;  
Best Local Similarity 38.1%; Pred. No. 1.2e+02;  
Matches 8; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

QY 5 QIHGALLGLALAI CSOGAA 25  
Db 259 QIHMERVYVPGTLTCAKGA 279

RESULT 31  
US-09-387-413-3  
Sequence 3, Application US/09387413  
Patent No. 6475485  
GENERAL INFORMATION:  
APPLICANT: Bandman, Olga  
APPLICANT: Coleman, Roger  
TITLE OF INVENTION: TWO NOVEL HUMAN CATHESPIN PROTEINS  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Drive  
CITY: Palo Alto  
STATE: CA  
COUNTRY: U.S.  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/387,413  
FILING DATE: 31-Aug-1999  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/080,538  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0125 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-855-0555  
TELEFAX: 415-845-4166  
TELEX: <Unknown>  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 395 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHETICAL: NO  
ANTI-SENSE: NO

FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
IMMEDIATE SOURCE:  
LIBRARY: LUNGNCT02  
CLONE: 312099  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-387-413-3

Query Match 34.4%; Score 42; DB 4; Length 395;  
Best Local Similarity 38.1%; Pred. No. 1.2e+02;  
Matches 8; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

QY 5 QIHCAALALGLAALICSGAA 25  
DB 259 QIHMERVKVGPGLTLCAKGA 279

## RESULT 32

US-09-008-271A-4  
Sequence 4, Application US/09008271A  
Patent No. 6203979

## GENERAL INFORMATION:

APPLICANT: Bandman, Olga  
Hillman, Jennifer L.  
Yue, Henry  
Guegler, Karl J.  
Corley, Neil C.  
Tang, Tom Y.  
Shah, Purvi  
TITLE OF INVENTION: HUMAN PROTEASE MOLECULES  
NUMBER OF SEQUENCES: 24  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Incyte Pharmaceuticals, Inc.  
STREET: 3174 Porter Dr.  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94304

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/008,271A  
FILING DATE: 16-Jan-1998

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: <Unknown>  
FILING DATE: <Unknown>

## ATTORNEY/AGENT INFORMATION:

NAME: Mohan-Peterson, Sheela  
REGISTRATION NUMBER: 41,201  
REFERENCE/DOCKET NUMBER: PF-0458 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-855-0555  
TELEFAX: 650-845-4166

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 420 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

## IMMEDIATE SOURCE:

LIBRARY: LUNGA01  
CLONE: 877617

SEQUENCE DESCRIPTION: SEQ ID NO: 4 :  
US-09-008-271A-4

Query Match 34.4%; Score 42; DB 3; Length 420;  
Best Local Similarity 38.1%; Pred. No. 1.3e+02;  
Matches 8; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

QY 5 QIHCAALALGLAALICSGAA 25

DB 259 QIHMERVKVGPGLTLCAKGA 279

## RESULT 33

US-08-974-691-8  
Sequence 8, Application US/08974691  
Patent No. 6225103

## GENERAL INFORMATION:

APPLICANT: Keolsch, Gerald  
APPLICANT: Lin, Xini  
APPLICANT: Tang, Jordan  
TITLE OF INVENTION: Cloning and Characterization of Napsin  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Patrea L. Pabst  
STREET: 2800 One Atlantic Center, 1201 W. Peachtree  
STREET: St.  
CITY: Atlanta  
STATE: GA  
COUNTRY: USA  
ZIP: 30309-3450

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentln Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/974,691  
FILING DATE: 20-NOV-1997  
CLASSIFICATION:

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/031,196  
FILING DATE: 20-NOV-1996

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/046,126  
FILING DATE: 09-MAY-1997

## ATTORNEY/AGENT INFORMATION:

NAME: Pabst, Patrea L.  
REGISTRATION NUMBER: 31,284  
REFERENCE/DOCKET NUMBER: OMRF 166  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 404-873-8794  
TELEFAX: 404-873-8795

## INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:  
LENGTH: 420 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

## MOLECULE TYPE: protein

ORIGINAL SOURCE:  
ORGANISM: Homo sapiens

US-08-974-691-8

Query Match 34.4%; Score 42; DB 3; Length 420;  
Best Local Similarity 38.1%; Pred. No. 1.3e+02;  
Matches 8; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

QY 5 QIHCAALALGLAALICSGAA 25  
DB 259 QIHMERVKVGPGLTLCAKGA 279

## RESULT 34

US-09-705-448-1  
Sequence 1, Application US/09705448  
Patent No. 6432690

## GENERAL INFORMATION:

APPLICANT: Xu, Hong  
APPLICANT: Bruno, Sandra A.  
APPLICANT: Eisenboss, Laura A.  
APPLICANT: Fogliano, Michael

APPLICANT: Cohan, Victoria L.  
APPLICANT: Bandman, Olga  
TITLE OF INVENTION: HUMAN ASPARTIC PROTEASES  
FILE REFERENCE: PF-0458-1 CIP  
CURRENT APPLICATION NUMBER: US/09/705,448  
CURRENT FILING DATE: 2000-11-02  
PRIOR APPLICATION NUMBER: 09/116,641  
PRIOR FILING DATE: 1998-07-16  
PRIOR APPLICATION NUMBER: 09/008,271  
PRIOR FILING DATE: 1998-01-16  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 1  
LENGTH: 420  
TYPE: PRT  
ORGANISM: HOMO SAPIENS  
FEATURE:  
OTHER INFORMATION: 372637, LUNGNOT02  
US-09-705-448-1

Query Match 34.4%; Score 42; DB 4; Length 420;  
Best Local Similarity 38.1%; Pred. No. 1.3e+02;  
Matches 8; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

QY 5 QIHCALALGLALAI CSQGA 25  
DB 259 QIHMERKVGPGITLCAKGA 279

RESULT 35  
US-09-328-352-5543  
Sequence 5543, Application US/09328352  
Patent No. 6562958  
GENERAL INFORMATION:  
APPLICANT: Gary L. Breton et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER  
TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: GTC99-03PA  
CURRENT APPLICATION NUMBER: US/09/328,352  
CURRENT FILING DATE: 1999-06-04  
NUMBER OF SEQ ID NOS: 8252  
SEQ ID NO 5543  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Acinetobacter baumannii  
US-09-328-352-5543

Query Match 34.4%; Score 42; DB 4; Length 428;  
Best Local Similarity 50.0%; Pred. No. 1.3e+02;  
Matches 7; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 6 IHICALALGLALAI 19  
DB 97 IHCLLSAMNIALAL 110

RESULT 36  
US-09-489-039A-7902  
Sequence 7902, Application US/09489039A  
Patent No. 6610836  
GENERAL INFORMATION:  
APPLICANT: Gary Breton et. al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KIEBSIELLA  
TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 2709.2004001  
CURRENT APPLICATION NUMBER: US/09/489,039A  
CURRENT FILING DATE: 2000-01-27  
PRIOR APPLICATION NUMBER: US 60/117,747  
PRIOR FILING DATE: 1999-01-29  
NUMBER OF SEQ ID NOS: 14342  
SEQ ID NO 7902  
LENGTH: 478  
TYPE: PRT

ORGANISM: Klebsiella pneumoniae  
US-09-489-039A-7902

Query Match 34.4%; Score 42; DB 4; Length 478;  
Best Local Similarity 29.2%; Pred. No. 1.5e+02;  
Matches 7; Conservative 10; Mismatches 7; Indels 0; Gaps 0;

QY 1 MRVSIHCALALGLALAI CSQGA 24  
DB 96 MRMTTLGLSLVGSAMLVAQGS 119

RESULT 37  
US-09-162-021B-2  
Sequence 2, Application US/09162021B  
Patent No. 6337391  
GENERAL INFORMATION:  
APPLICANT: H. William Harris  
APPLICANT: Edward M. Brown  
APPLICANT: Steven C. Hebert  
TITLE OF INVENTION: Polyclation-Sensing Receptor in Aquatic  
TITLE OF INVENTION: Species and Methods of Use Thereof  
FILE REFERENCE: 2856.1001-007  
CURRENT APPLICATION NUMBER: US/09/162,021B  
CURRENT FILING DATE: 1998-09-28  
PRIOR APPLICATION NUMBER: PCT/US97/05031  
PRIOR FILING DATE: 1997-03-27  
PRIOR APPLICATION NUMBER: 08/622,738  
PRIOR FILING DATE: 1996-03-27  
NUMBER OF SEQ ID NOS: 19  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 2  
LENGTH: 1027  
TYPE: PRT  
ORGANISM: squalus acanthias  
US-09-162-021B-2

Query Match 34.4%; Score 42; DB 4; Length 1027;  
Best Local Similarity 46.7%; Pred. No. 3.6e+02;  
Matches 7; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 3 VSIHCALALGLAL 17  
DB 1 MAQLHCQLFLGFTL 15

RESULT 38  
US-08-469-260A-520  
Sequence 520, Application US/08469260A  
Patent No. 6451578  
GENERAL INFORMATION:  
APPLICANT: JOHN N. SIMONS  
APPLICANT: TAMI J. PILOT-MATIAS  
APPLICANT: GEORGE J. DAWSON  
APPLICANT: GEORGE G. SCHLAUDER  
APPLICANT: SURESH M. DESAI  
APPLICANT: THOMAS P. LEARY  
APPLICANT: ANTHONY SCOTT MUEHRHOF  
APPLICANT: JAMES C. ERKER  
APPLICANT: SHERI L. BUTJIK  
APPLICANT: ISA K. MUSHAWAR  
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS  
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE  
NUMBER OF SEQUENCES: 716  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D  
STREET: 100 ABBOTT PARK ROAD  
CITY: ABBOTT PARK  
STATE: IL  
COUNTRY: USA  
ZIP: 60064-3500  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk





US-08-467-344A-520

Query Match 33.6%; Score 41; DB 4; Length 147;  
Best Local Similarity 50.0%; Pred. No. 56;  
Matches 8; Conservative 2; Mismatches 6; Indels 0; Gaps 0;  
QY 5 QHCAALLGLAIC 20  
|:|:|:|:|:|  
Db 16 QHSAPTIVALLCIC 31

Search completed: May 6, 2004, 16:50:54  
Job time : 6.6867 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: May 6, 2004, 16:47:47 ; Search time 14.8069 Seconds  
(without alignments)  
468.645 Million cell updates/sec

Title: US-09-727-739B-19  
Perfect score: 122  
Sequence: 1 MRVSIHCALALLGLALAI CSQGA 25

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1140673 seqs, 277566755 residues

Total number of hits satisfying chosen parameters: 1140673

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep:\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep:\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep:\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep:\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep:\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep:\*
- 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*
- 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep:\*
- 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep:\*
- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep:\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep:\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep:\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep:\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep:\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep:\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep:\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	122	100.0	25	12	US-09-727-739B-19
2	122	100.0	86	12	US-09-727-739B-17
3	122	100.0	111	12	US-09-727-739B-15
4	110	90.2	25	12	US-09-727-739B-13
5	110	90.2	87	12	US-09-727-739B-11
6	110	90.2	115	12	US-09-727-739B-9
7	74	60.7	114	12	US-09-727-739B-43
8	73	59.8	120	12	US-09-727-739B-38
9	64	52.5	88	12	US-09-727-739B-5
10	64	52.5	114	12	US-09-727-739B-3
11	64	52.5	114	12	US-09-727-739B-41
12	60	49.2	24	12	US-09-727-739B-7
13	58	47.5	115	12	US-09-727-739B-44
14	53	43.4	116	12	US-09-727-739B-45
15	52	42.6	434	12	US-10-170-385-273

16	52	42.6	434	14	US-10-205-194-47	Sequence 47, Appl
17	50	41.0	439	15	US-10-369-493-2489	Sequence 2489, Ap
18	50	41.0	1582	10	US-09-966-422B-11	Sequence 11, Appl
19	50	41.0	1582	14	US-10-262-272A-11	Sequence 11, Appl
20	48	39.3	120	9	US-09-796-692-2277	Sequence 2277, Ap
21	48	39.3	120	14	US-10-040-862-2277	Sequence 2277, Ap
22	48	39.3	120	15	US-10-057-475B-2277	Sequence 2277, Ap
23	48	39.3	120	15	US-10-154-884B-2277	Sequence 2277, Ap
24	48	39.3	162	9	US-09-796-692-2342	Sequence 2342, Ap
25	48	39.3	162	14	US-10-040-862-2342	Sequence 2342, Ap
26	48	39.3	162	15	US-10-057-475B-2342	Sequence 2342, Ap
27	48	39.3	162	15	US-10-154-884B-2342	Sequence 2342, Ap
28	48	39.3	433	10	US-09-935-642-9	Sequence 9, Appli
29	48	39.3	434	12	US-10-205-331-26	Sequence 26, Appl
30	48	39.3	434	12	US-10-170-385-257	Sequence 257, Appl
31	48	39.3	434	14	US-10-177-293-124	Sequence 124, Appl
32	48	39.3	434	14	US-10-354-358-16	Sequence 16, Appl
33	48	39.3	434	15	US-10-258-666-10	Sequence 10, Appl
34	48	39.3	1771	14	US-10-184-644-17	Sequence 17, Appl
35	48	39.3	1771	14	US-10-184-634-17	Sequence 17, Appl
36	47	38.5	70	12	US-10-424-599-155395	Sequence 155395,
37	47	38.5	210	15	US-10-289-762-641	Sequence 641, Appl
38	47	38.5	423	9	US-09-843-164-10	Sequence 10, Appl
39	47	38.5	423	15	US-10-394-962-10	Sequence 10, Appl
40	47	38.5	472	10	US-09-934-455-472	Sequence 472, Appl
41	47	38.5	475	10	US-09-934-455-112	Sequence 112, Appl
42	47	38.5	475	12	US-10-225-066A-224	Sequence 224, Appl
43	47	38.5	475	15	US-10-374-780A-2372	Sequence 2372, Appl
44	47	38.5	481	9	US-09-843-164-8	Sequence 8, Appli
45	47	38.5	481	15	US-10-394-962-8	Sequence 8, Appli

## ALIGNMENTS

RESULT 1  
US-09-727-739B-19  
; Sequence 19, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kittleison, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatins and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727, 739B  
; CURRENT FILING DATE: 2000-12-01  
; PRIOR APPLICATION NUMBER: US 60/168, 934  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: Patent version 3.0  
; SEQ ID NO 19  
; LENGTH: 25  
; TYPE: PRT  
; ORGANISM: Oncorhynchus mykiss  
US-09-727-739B-19

Query Match 100.0%; Score 122; DB 12; Length 25;  
Best Local Similarity 100.0%; Pred. No. 2.4e-10;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRVSIHCALALLGLALAI CSQGA 25  
Db 1 MRVSIHCALALLGLALAI CSQGA 25

RESULT 2  
US-09-727-739B-17  
; Sequence 17, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kittleison, Jeffrey

```
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 17
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Oncorhynchus mykiss
US-09-727-739B-17

Query Match          100.0%; Score 122; DB 12; Length 86;
Best Local Similarity 100.0%; Pred. No. 8.7e-10;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MRVSIHCALALLGLALAICSGAA 25
Db      1 MRVSIHCALALLGLALAICSGAA 25

RESULT 3
US-09-727-739B-15
; Sequence 15, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 15
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Oncorhynchus mykiss
US-09-727-739B-15

Query Match          100.0%; Score 122; DB 12; Length 111;
Best Local Similarity 100.0%; Pred. No. 1.1e-09;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 MRVSIHCALALLGLALAICSGAA 25
Db      1 MRVSIHCALALLGLALAICSGAA 25

RESULT 4
US-09-727-739B-13
; Sequence 13, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 13
; LENGTH: 25
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; TYPE: PRT
; ORGANISM: Oncorhynchus mykiss
US-09-727-739B-13

Query Match          90.2%; Score 110; DB 12; Length 25;
Best Local Similarity 88.0%; Pred. No. 1.2e-08;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy      1 MRVSIHCALALLGLALAICSGAA 25
Db      1 MKVCRHCALALLGLALAICSGAA 25

RESULT 5
US-09-727-739B-11
; Sequence 11, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 11
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Oncorhynchus mykiss
US-09-727-739B-11

Query Match          90.2%; Score 110; DB 12; Length 87;
Best Local Similarity 88.0%; Pred. No. 4.3e-08;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy      1 MRVSIHCALALLGLALAICSGAA 25
Db      1 MKVCRHCALALLGLALAICSGAA 25

RESULT 6
US-09-727-739B-9
; Sequence 9, Application US/09727739B
; Publication No. US20010025097A1
; GENERAL INFORMATION:
; APPLICANT: Sheridan, Mark
; APPLICANT: Kittilson, Jeffrey
; APPLICANT: Moore, Craig
; TITLE OF INVENTION: Somatostatins and Methods
; FILE REFERENCE: 255.00040101
; CURRENT APPLICATION NUMBER: US/09/727,739B
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 60/168,934
; PRIOR FILING DATE: 1999-12-03
; NUMBER OF SEQ ID NOS: 52
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 9
; LENGTH: 115
; TYPE: PRT
; ORGANISM: Oncorhynchus mykiss
US-09-727-739B-9

Query Match          90.2%; Score 110; DB 12; Length 115;
Best Local Similarity 88.0%; Pred. No. 5.8e-08;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy      1 MRVSIHCALALLGLALAICSGAA 25
Db      1 MKVCRHCALALLGLALAICSGAA 25
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RESULT 7  
US-09-727-739B-43  
; Sequence 43, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kitilson, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatins and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; CURRENT FILING DATE: 2000-12-01  
; PRIOR APPLICATION NUMBER: US 60/168,934  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 43  
; LENGTH: 114  
; TYPE: PRT  
; ORGANISM: Carassius auratus  
US-09-727-739B-43

Query Match 60.7%; Score 74; DB 12; Length 114;  
Best Local Similarity 64.0%; Pred. No. 0.0067;  
Matches 16; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

QY 1 MRVSIHCAALIGLALAIQSQA 25  
|:::|||||:|:|:|  
Db 1 MLSTRVQCALALISLALAVCSVSA 25

RESULT 8  
US-09-727-739B-38  
; Sequence 38, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kitilson, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatins and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; CURRENT FILING DATE: 2000-12-01  
; PRIOR APPLICATION NUMBER: US 60/168,934  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 38  
; LENGTH: 120  
; TYPE: PRT  
; ORGANISM: Carassius auratus  
US-09-727-739B-38

Query Match 59.8%; Score 73; DB 12; Length 120;  
Best Local Similarity 54.2%; Pred. No. 0.0098;  
Matches 13; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 1 MRVSIHCAALIGLALAIQSQA 24  
|:::|||||:|:|:|  
Db 1 MRLCELHCYALIGLSLVLCGRCA 24

RESULT 9  
US-09-727-739B-5  
; Sequence 5, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kitilson, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatins and Methods

; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; CURRENT FILING DATE: 2000-12-01  
; PRIOR APPLICATION NUMBER: US 60/168,934  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 5  
; LENGTH: 88  
; TYPE: PRT  
; ORGANISM: Oncorhynchus mykiss  
US-09-727-739B-5

Query Match 52.5%; Score 64; DB 12; Length 88;  
Best Local Similarity 60.0%; Pred. No. 0.13;  
Matches 15; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

QY 1 MRVSIHCAALIGLALAIQSQA 25  
|:::|||||:|:|:|  
Db 1 MLSTRVQCALALISLALAISSVSA 25

RESULT 10  
US-09-727-739B-3  
; Sequence 3, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kitilson, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatins and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; CURRENT FILING DATE: 2000-12-01  
; PRIOR APPLICATION NUMBER: US 60/168,934  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 3  
; LENGTH: 114  
; TYPE: PRT  
; ORGANISM: Oncorhynchus mykiss  
US-09-727-739B-3

Query Match 52.5%; Score 64; DB 12; Length 114;  
Best Local Similarity 60.0%; Pred. No. 0.17;  
Matches 15; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

QY 1 MRVSIHCAALIGLALAIQSQA 25  
|:::|||||:|:|:|  
Db 1 MLSTRVQCALALISLALAISSVSA 25

RESULT 11  
US-09-727-739B-41  
; Sequence 41, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kitilson, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatins and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; CURRENT FILING DATE: 2000-12-01  
; PRIOR APPLICATION NUMBER: US 60/168,934  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 41  
; LENGTH: 114  
; TYPE: PRT  
; ORGANISM: Ictalurus punctatus

US-09-727-739B-41

Query Match 52.5%; Score 64; DB 12; Length 114;  
Best Local Similarity 52.0%; Pred. No. 0.17;  
Matches 13; Conservative 5; Mismatches 7; Indels 0; Gaps 0;

QY 1 MRVSIHICALALGLALAI CSQGA 25  
DB 1 MPSTRIQCALALALVALSVCSVSA 25

RESULT 12

US-09-727-739B-7  
; Sequence 7, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kittleison, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatins and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; PRIOR FILING DATE: 2000-12-01  
; PRIOR APPLICATION NUMBER: US 60/168,934  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 7  
; LENGTH: 24  
; TYPE: PRT  
; ORGANISM: Oncorhynchus mykiss  
US-09-727-739B-7

Query Match 49.2%; Score 60; DB 12; Length 24;  
Best Local Similarity 58.3%; Pred. No. 0.13;  
Matches 14; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

QY 1 MRVSIHICALALGLALAI CSQGA 24  
DB 1 MLSTRVQCALALALSLALAISSVSA 24

RESULT 13

US-09-727-739B-44  
; Sequence 44, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kittleison, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatins and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; PRIOR FILING DATE: 2000-12-01  
; PRIOR APPLICATION NUMBER: US 60/168,934  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 44  
; LENGTH: 115  
; TYPE: PRT  
; ORGANISM: Rana ridibunda  
US-09-727-739B-44

Query Match 47.5%; Score 58; DB 12; Length 115;  
Best Local Similarity 56.0%; Pred. No. 1.2;  
Matches 14; Conservative 3; Mismatches 8; Indels 0; Gaps 0;

QY 1 MRVSIHICALALGLALAI CSQGA 25  
DB 1 MOSCRVQCALALALSLALAIINSTISA 25

RESULT 14

US-09-727-739B-45  
; Sequence 45, Application US/09727739B  
; Publication No. US20010025097A1  
; GENERAL INFORMATION:  
; APPLICANT: Sheridan, Mark  
; APPLICANT: Kittleison, Jeffrey  
; APPLICANT: Moore, Craig  
; TITLE OF INVENTION: Somatostatins and Methods  
; FILE REFERENCE: 255.00040101  
; CURRENT APPLICATION NUMBER: US/09/727,739B  
; PRIOR FILING DATE: 2000-12-01  
; PRIOR APPLICATION NUMBER: US 60/168,934  
; PRIOR FILING DATE: 1999-12-03  
; NUMBER OF SEQ ID NOS: 52  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 45  
; LENGTH: 116  
; TYPE: PRT  
; ORGANISM: Gallus gallus  
US-09-727-739B-45

Query Match 43.4%; Score 53; DB 12; Length 116;  
Best Local Similarity 52.4%; Pred. No. 6.2;  
Matches 11; Conservative 5; Mismatches 5; Indels 0; Gaps 0;

QY 5 QIHCALALGLALAI CSQGA 25  
DB 5 RLQCALALALSLALAVGTVSA 25

RESULT 15

US-10-170-385-273  
; Sequence 273, Application US/10170385  
; Publication No. US20030203372A1  
; GENERAL INFORMATION:  
; APPLICANT: Ward, Neil Raymond  
; APPLICANT: Mundy, Christopher Robert  
; APPLICANT: Kan, On  
; APPLICANT: Harris, Robert Alan  
; APPLICANT: White, Jonathan  
; APPLICANT: Binley, Katie Mary  
; APPLICANT: Rayner, William Nigel  
; APPLICANT: Naylor, Stuart  
; APPLICANT: Kingsman, Susan Mary  
; APPLICANT: Krige, David  
; TITLE OF INVENTION: ANALYSIS METHOD  
; FILE REFERENCE: 532682000100  
; CURRENT APPLICATION NUMBER: US/10/170,385  
; PRIOR FILING DATE: 2002-06-12  
; PRIOR APPLICATION NUMBER: PCT/GB02/01662  
; PRIOR FILING DATE: 2002-04-08  
; PRIOR APPLICATION NUMBER: PCT/GB01/05458  
; PRIOR FILING DATE: 2001-12-10  
; NUMBER OF SEQ ID NOS: 549  
; SOFTWARE: FastSeq for windows Version 4.0  
; SEQ ID NO 273  
; LENGTH: 434  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
US-10-170-385-273

Query Match 42.6%; Score 52; DB 12; Length 434;  
Best Local Similarity 58.8%; Pred. No. 34;  
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 9 ALALLGLALAI CSQGA 25  
DB 108 ANAILGVSLAVCKAGAA 124

RESULT 16

US-10-205-194-47



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; Sequence 47, Application US/10205194
; Publication No. US20030134301A1
; GENERAL INFORMATION:
; APPLICANT: Warner-Lambert Company
; APPLICANT: Lee, Kevin
; APPLICANT: Dixon, Alistair
; APPLICANT: Brooksbank, Robert
; APPLICANT: Pinnock, Robert
; TITLE OF INVENTION: Identification and Use of Molecules Implicated in Pain
; FILE REFERENCE: WL-A-018201
; CURRENT APPLICATION NUMBER: US/10/205,194
; CURRENT FILING DATE: 5200-07-24
; PRIOR APPLICATION NUMBER: GB 0118354.0
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 177
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Neuron-specific enolase
US-10-205-194-47
```

```
Query Match 42.6%; Score 52; DB 14; Length 434;
Best Local Similarity 58.8%; Pred. No. 34;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 9 ALALGLALALICSGGAA 25
DB 108 ANAILGVSLAVCKAGAA 124
```

```
RESULT 17
US-10-369-493-2489
; Sequence 2489, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 2489
; LENGTH: 439
; TYPE: PRT
; ORGANISM: Schizosaccharomyces pombe
US-10-369-493-2489
```

```
Query Match 41.0%; Score 50; DB 15; Length 439;
Best Local Similarity 58.8%; Pred. No. 66;
Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 9 ALALGLALALICSGGAA 25
DB 108 ANAILGVSMICRAGAA 124
```

```
RESULT 18
US-09-966-422B-11
; Sequence 11, Application US/09966422B
; Publication No. US20030044892A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPBMY6, EXPRESSED HIG
```

```
; TITLE OF INVENTION: SMALL INTESTINE
; FILE REFERENCE: D0040NP/3053-4119US3
; CURRENT APPLICATION NUMBER: US/09/966,422B
; CURRENT FILING DATE: 2002-05-07
; PRIOR APPLICATION NUMBER: 60/235,602
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/306,604
; PRIOR FILING DATE: 2001-07-19
; PRIOR APPLICATION NUMBER: 60/315,412
; PRIOR FILING DATE: 2001-08-28
; NUMBER OF SEQ ID NOS: 81
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 11
; LENGTH: 1582
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-09-966-422B-11
```

```
Query Match 41.0%; Score 50; DB 10; Length 1582;
Best Local Similarity 50.0%; Pred. No. 2.5e+02;
Matches 9; Conservative 6; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 3 VSOIHCAALALGLALALIC 20
DB 910 VSTIGCAISIVCLALISVC 927
```

```
RESULT 19
US-10-262-272A-11
; Sequence 11, Application US/10262272A
; Publication No. US20030170671A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPBMY6
; FILE REFERENCE: D0044 CIP
; CURRENT APPLICATION NUMBER: US/10/262,272A
; CURRENT FILING DATE: 2002-09-27
; PRIOR APPLICATION NUMBER: U.S. 09/966,422
; PRIOR FILING DATE: 2001-09-26
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 11
; LENGTH: 1582
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-10-262-272A-11
```

```
Query Match 41.0%; Score 50; DB 14; Length 1582;
Best Local Similarity 50.0%; Pred. No. 2.5e+02;
Matches 9; Conservative 6; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 3 VSOIHCAALALGLALALIC 20
DB 910 VSTIGCAISIVCLALISVC 927
```

```
RESULT 20
US-09-796-692-2277
; Sequence 2277, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAP
; FILE REFERENCE: 2077.001200
; CURRENT APPLICATION NUMBER: US/09/796,692
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
```

```
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2277
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)...(120)
; OTHER INFORMATION: Xaa = Any amino acid
US-09-796-692-2277
```

```
Query Match          39.3%; Score 48; DB 9; Length 120;
Best Local Similarity 56.2%; Pred. No. 33;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
Oy      9 ALALGLALAI CSQA 24
Db      65 ANAIGVSLAVCKAGA 80
```

```
RESULT 21
US-10-040-862-2277
; Sequence 2277, Application US/10040862
; Publication No. US20030078396A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Hematological Malignancies
; FILE REFERENCE: 014058-013520US
; CURRENT APPLICATION NUMBER: US/10/040,862
; PRIOR FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
```

```
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2277
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)...(120)
; OTHER INFORMATION: Xaa = Any amino acid
US-10-040-862-2277
```

```
Query Match          39.3%; Score 48; DB 14; Length 120;
Best Local Similarity 56.2%; Pred. No. 33;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
Oy      9 ALALGLALAI CSQA 24
Db      65 ANAIGVSLAVCKAGA 80
```

```
RESULT 22
US-10-057-475B-2277
; Sequence 2277, Application US/10057475B
; Publication No. US20040002068A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Clapper, Jonathan David
; APPLICANT: Wang, Aijun
; APPLICANT: Ordenez, Nadia
; APPLICANT: Carter, Lauren
; APPLICANT: McNeill, Patricia Dianne
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therap
; FILE REFERENCE: 014058-014402US
; CURRENT APPLICATION NUMBER: US/10/057,475B
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 10979
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2277
```

```
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)..(120)
; OTHER INFORMATION: Xaa = Any amino acid
US-10-057-475B-2277
```

```
Query Match      39.3%; Score 48; DB 15; Length 120;
Best Local Similarity 56.2%; Pred. No. 33;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
QY      9 ALALLGLALAI CSQA 24
      |||:|:|:|:|:|:|
Db      65 ANAILGVSLAVCKAGA 80
```

## RESULT 23

```
US-10-154-884B-2277
; Sequence 2277, Application US/10154884B
; Publication No. US2004005561A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc W.
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; FILE REFERENCE: 014058-013521US
; CURRENT APPLICATION NUMBER: US/10/154,884B
; CURRENT FILING DATE: 2002-05-23
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 11290
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2277
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)..(120)
; OTHER INFORMATION: Xaa = Any amino acid
US-10-154-884B-2277
```

```
Query Match      39.3%; Score 48; DB 15; Length 120;
Best Local Similarity 56.2%; Pred. No. 33;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
QY      9 ALALLGLALAI CSQA 24
      |||:|:|:|:|:|:|
Db      65 ANAILGVSLAVCKAGA 80
```

## RESULT 24

```
US-09-796-692-2342
; Sequence 2342, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAP
; FILE REFERENCE: 2077.001200
; CURRENT APPLICATION NUMBER: US/09/796,692
; CURRENT FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2342
; LENGTH: 162
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)..(162)
; OTHER INFORMATION: Xaa = Any amino acid
US-09-796-692-2342
```

```
Query Match      39.3%; Score 48; DB 9; Length 162;
Best Local Similarity 56.2%; Pred. No. 45;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
QY      9 ALALLGLALAI CSQA 24
      |||:|:~|:|:~|:~|:~|
Db      109 ANAILGVSLAVCKAGA 124
```

## RESULT 25

```
US-10-040-862-2342
; Sequence 2342, Application US/10040862
; Publication No. US20030078396A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therap
; FILE REFERENCE: 014058-013520US
```

```
; CURRENT APPLICATION NUMBER: US/10/040,862
; PRIOR FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: US 60/223,378
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: US 09/796,692
; PRIOR FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 10467
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2342
; LENGTH: 162
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)..(162)
; OTHER INFORMATION: Xaa = Any amino acid
US-10-040-862-2342
```

```
Query Match          39.3%; Score 48; DB 14; Length 162;
Best Local Similarity 56.2%; Pred. No. 45;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
QY      9 ALALGLALAI CSQA 24
      ||:||||:|
Db      109 ANAILGVSLAVCKAGA 124
```

```
RESULT 26
US-10-057-475B-2342
; Sequence 2342, Application US/10057475B
; Publication No. US20040002068A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Clapper, Jonathan David
; APPLICANT: Wang, Aijun
; APPLICANT: Ordenez, Nadia
; APPLICANT: Carter, Lauren
; APPLICANT: McNeill, Patricia Dianne
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; TITLE OF INVENTION: Hematological Malignancies
; FILE REFERENCE: 014058-014402US
; CURRENT APPLICATION NUMBER: US/10/057,475B
; PRIOR FILING DATE: 2002-01-22
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
```

```
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 10979
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2342
; LENGTH: 162
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)..(162)
; OTHER INFORMATION: Xaa = Any amino acid
US-10-057-475B-2342
```

```
Query Match          39.3%; Score 48; DB 15; Length 162;
Best Local Similarity 56.2%; Pred. No. 45;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
QY      9 ALALGLALAI CSQA 24
      ||:||||:|
Db      109 ANAILGVSLAVCKAGA 124
```

```
RESULT 27
US-10-154-884B-2342
; Sequence 2342, Application US/10154884B
; Publication No. US20040005561A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Algate, Paul A.
; APPLICANT: Mannion, Jane
; APPLICANT: Retter, Marc W.
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy
; TITLE OF INVENTION: Hematological Malignancies
; FILE REFERENCE: 014058-013521US
; CURRENT APPLICATION NUMBER: US/10/154,884B
; PRIOR FILING DATE: 2002-05-23
; PRIOR APPLICATION NUMBER: US 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: US 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: US 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: US 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: US 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: US 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: US 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 60/222,903
; PRIOR FILING DATE: 2000-08-03
; Remaining Prior Application data removed - See File Wrapper or PALM.
```

```
; NUMBER OF SEQ ID NOS: 11290
; SOFTWARE: FastSeq for windows Version 3.0
; SEQ ID NO 2342
; LENGTH: 162
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)...(162)
; OTHER INFORMATION: Xaa = Any amino acid
US-10-154-884B-2342

Query Match          39.3%; Score 48; DB 15; Length 162;
Best Local Similarity 56.2%; Pred. No. 45;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 9 ALALLGLALAI CSOGA 24
Db 109 ANAILGVSLAVCKAGA 124
```

```
RESULT 28
US-09-935-642-9
; Sequence 9, Application US/09935642
; Publication No. US20030044795A1
; GENERAL INFORMATION:
; APPLICANT: BYRJALSEN, Inger
; APPLICANT: LARSEN, Peter
; APPLICANT: STEPHEN, John
; TITLE OF INVENTION: Biochemical Markers for the Human
; FILE REFERENCE: 8969-014
; CURRENT APPLICATION NUMBER: US/09/935,642
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: PCT/GB97/02394
; PRIOR FILING DATE: 1997-09-05
; PRIOR APPLICATION NUMBER: PCT/GB9707132.8
; PRIOR FILING DATE: 1997-04-08
; PRIOR APPLICATION NUMBER: PCT/GB9618600.2
; PRIOR FILING DATE: 1996-09-06
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 9
; LENGTH: 433
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-935-642-9

Query Match          39.3%; Score 48; DB 10; Length 433;
Best Local Similarity 56.2%; Pred. No. 1.2e+02;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 9 ALALLGLALAI CSOGA 24
Db 107 ANAILGVSLAVCKAGA 122
```

```
RESULT 29
US-10-205-331-26
; Sequence 26, Application US/10205331
; Publication No. US20040058326A1
; GENERAL INFORMATION:
; APPLICANT: Warner-Lambert Company
; APPLICANT: Lee, Kevin
; APPLICANT: Dixon, Alistair
; APPLICANT: Brooksbank, Robert
; APPLICANT: Pincock, Robert
; TITLE OF INVENTION: Identification and Use of Molecules Implicated in Pain
; FILE REFERENCE: WL-A-018199
; CURRENT APPLICATION NUMBER: US/10/205,331
; PRIOR FILING DATE: 2002-07-24
; PRIOR APPLICATION NUMBER: GB 0118354.0
; PRIOR FILING DATE: 2001-07-27
```

```
; NUMBER OF SEQ ID NOS: 117
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 26
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Alpha-enolase
US-10-205-331-26
```

```
Query Match          39.3%; Score 48; DB 12; Length 434;
Best Local Similarity 56.2%; Pred. No. 1.2e+02;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 9 ALALLGLALAI CSOGA 24
Db 108 ANAILGVSLAVCKAGA 123
```

```
RESULT 30
US-10-170-385-257
; Sequence 257, Application US/10170385
; Publication No. US20030203372A1
; GENERAL INFORMATION:
; APPLICANT: Ward, Neil Raymond
; APPLICANT: Mundy, Christopher Robert
; APPLICANT: Kan, On
; APPLICANT: Harris, Robert Alan
; APPLICANT: White, Jonathan
; APPLICANT: Binley, Katie Mary
; APPLICANT: Rayner, William Nigel
; APPLICANT: Naylor, Stuart
; APPLICANT: Kingsman, Susan Mary
; APPLICANT: Krige, David
; TITLE OF INVENTION: ANALYSIS METHOD
; FILE REFERENCE: 532682000100
; CURRENT APPLICATION NUMBER: US/10/170,385
; PRIOR FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: PCT/GB02/01662
; PRIOR FILING DATE: 2002-04-08
; PRIOR APPLICATION NUMBER: PCT/GB01/05458
; PRIOR FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 549
; SOFTWARE: FastSeq for windows Version 4.0
; SEQ ID NO 257
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-170-385-257

Query Match          39.3%; Score 48; DB 12; Length 434;
Best Local Similarity 56.2%; Pred. No. 1.2e+02;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 9 ALALLGLALAI CSOGA 24
Db 108 ANAILGVSLAVCKAGA 123
```

```
RESULT 31
US-10-177-293-124
; Sequence 124, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatu, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Meyer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
```



```
APPLICANT: Hoersch, Sebastian
APPLICANT: Monahan, John
APPLICANT: Meyers, Rachel E.
APPLICANT: Baet Jr., Robert C.
APPLICANT: Hortobagyi, Gabriel N.
APPLICANT: Pusztai, Lajos
APPLICANT: Meric, Funda
APPLICANT: Sahin, Aysegul
APPLICANT: Mills, Gordon B.
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
FILE REFERENCE: MRI-038
CURRENT APPLICATION NUMBER: US/10/177,293
CURRENT FILING DATE: 2002-06-21
PRIOR APPLICATION NUMBER: US 60/299,887
PRIOR FILING DATE: 2001-06-21
PRIOR APPLICATION NUMBER: US 60/301,572
PRIOR FILING DATE: 2001-06-27
PRIOR APPLICATION NUMBER: US 60/306,501
PRIOR FILING DATE: 2001-07-18
PRIOR APPLICATION NUMBER: US 60/325,002
PRIOR FILING DATE: 2001-09-25
PRIOR APPLICATION NUMBER: US 60/362,585
PRIOR FILING DATE: 2002-03-05
PRIOR APPLICATION NUMBER: US 60/xxx,xxx
PRIOR FILING DATE: 2002-05-14
NUMBER OF SEQ ID NOS: 506
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 124
LENGTH: 434
TYPE: PRT
ORGANISM: Homo sapiens
US-10-177-293-124
```

```
Query Match          39.3%; Score 48; DB 14; Length 434;
Best Local Similarity 56.2%; Pred. No. 1.2e+02;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 9 ALALGLALAICSGGA 24
DB 108 ANAILGVSLAVCKAGA 123
```

```
RESULT 32
US-10-354-358-16
; Sequence 16, Application US/10354358
; Publication No. US20030157082A1
GENERAL INFORMATION:
APPLICANT: Millennium Pharmaceuticals, Inc
APPLICANT: Hunter, John Joseph
APPLICANT: MacBeth, Kyle J.
APPLICANT: Tsai, Fong-ying
APPLICANT: Lesoon, Andrea
APPLICANT: Lightcap, Eric S.
APPLICANT: Williamson, Mark
APPLICANT: Rudolph-Owen, Laura A.
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
TITLE OF INVENTION: CANCER USING 140, 1470, 1686, 2089, 2427, 3702, 5891, 6428,
TITLE OF INVENTION: 7181, 7660, 25641, 69583, 49863, 8897, 1682, 17667, 9235,
TITLE OF INVENTION: 3703, 14171, 10359, 1660, 1450, 18894, 2088, 32427, 2160,
TITLE OF INVENTION: 9252, 9389, 1642, 85269, 10297, 1584, 9525, 14124, 4469,
TITLE OF INVENTION: 8990, 2100, 9288, 64698, 10480, 20893, 33230, 1586, 9943,
TITLE OF INVENTION: 16334, 68862, 9011, 14031, 6178, 21225, 1420, 32236, 2099,
TITLE OF INVENTION: 2150, 26583, 2784, 8941, 9811, 27444, 50566 OR 66428 MOLECULES
FILE REFERENCE: MPI02-020B1RNMOMIM
CURRENT APPLICATION NUMBER: US/10/354,358
CURRENT FILING DATE: 2003-01-30
PRIOR APPLICATION NUMBER: US 60/353,600
PRIOR FILING DATE: 2002-01-31
PRIOR APPLICATION NUMBER: US 60/364,517
PRIOR FILING DATE: 2002-03-15
PRIOR APPLICATION NUMBER: US 60/371,075
PRIOR FILING DATE: 2002-04-09
```

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PRIOR APPLICATION NUMBER: US 60/371,507
PRIOR FILING DATE: 2002-04-10
PRIOR APPLICATION NUMBER: US 60/372,984
PRIOR FILING DATE: 2002-04-16
PRIOR APPLICATION NUMBER: US 60/374,194
PRIOR FILING DATE: 2002-04-19
PRIOR APPLICATION NUMBER: US 60/382,995
PRIOR FILING DATE: 2002-05-24
PRIOR APPLICATION NUMBER: US 60/385,023
PRIOR FILING DATE: 2002-05-31
PRIOR APPLICATION NUMBER: US 60/388,853
PRIOR FILING DATE: 2002-06-14
PRIOR APPLICATION NUMBER: US 60/389,395
PRIOR FILING DATE: 2002-06-17
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 122
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 16
LENGTH: 434
TYPE: PRT
ORGANISM: Homo sapiens
US-10-354-358-16
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```
Query Match          39.3%; Score 48; DB 14; Length 434;
Best Local Similarity 56.2%; Pred. No. 1.2e+02;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 9 ALALGLALAICSGGA 24
DB 108 ANAILGVSLAVCKAGA 123
```

```
RESULT 33
US-10-258-666-10
; Sequence 10, Application US/10258666
; Publication No. US20040005578A1
GENERAL INFORMATION:
APPLICANT: Yamada, Yoji
APPLICANT: Sekine, Susumu
APPLICANT: Kikuchi, Yasuhiro
APPLICANT: Sakurada, Kazuhiro
APPLICANT: Kyowa Hakko Kogyo Co., Ltd.
TITLE OF INVENTION: Myocardial Cell Proliferation-Associated Genes
FILE REFERENCE: 082382-000000US
CURRENT APPLICATION NUMBER: US/10/258,666
CURRENT FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: JP 2000-126741
PRIOR FILING DATE: 2000-04-27
PRIOR APPLICATION NUMBER: WO PCT/JP01/03700
PRIOR FILING DATE: 2001-04-27
NUMBER OF SEQ ID NOS: 42
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 10
LENGTH: 434
TYPE: PRT
ORGANISM: Rattus norvegicus
FEATURE:
OTHER INFORMATION: RHDH-099, non-neuronal enolase
US-10-258-666-10
```

```
Query Match          39.3%; Score 48; DB 15; Length 434;
Best Local Similarity 56.2%; Pred. No. 1.2e+02;
Matches 9; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
```

```
QY 9 ALALGLALAICSGGA 24
DB 108 ANAILGVSLAVCKAGA 123
```

```
RESULT 34
US-10-184-644-17
; Sequence 17, Application US/10184644
; Publication No. US2003004930A1
```

```

; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C227
; CURRENT APPLICATION NUMBER: US/10/184,644
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 17
; LENGTH: 1771
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-184-644-17

Query Match          39.3%; Score 48; DB 14; Length 1771;
Best Local Similarity 55.6%; Pred. No. 5.4e+02;
Matches 10; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY      8 CALALLGLALAICSGAA 25
DB      1452 CACAATGAATATCATGAA 1469

RESULT 35
US-10-184-634-17
; Sequence 17, Application US/10184634
; Publication No. US20030068684A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C217
; CURRENT APPLICATION NUMBER: US/10/184,634
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 17
; LENGTH: 1771
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-184-634-17

Query Match          39.3%; Score 48; DB 14; Length 1771;
Best Local Similarity 55.6%; Pred. No. 5.4e+02;
Matches 10; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY      8 CALALLGLALAICSGAA 25
DB      1452 CACAATGAATATCATGAA 1469

RESULT 36
```

```

US-10-424-599-155395
; Sequence 155395, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 155395
; LENGTH: 70
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_111342C.1.pcp
; US-10-424-599-155395

Query Match          38.5%; Score 47; DB 12; Length 70;
Best Local Similarity 40.9%; Pred. No. 26;
Matches 9; Conservative 4; Mismatches 9; Indels 0; Gaps 0;

QY      4 SQIHCALLGLALAICSGAA 25
DB      20 AHVCCSALLGDTTRYCSQSS 41

RESULT 37
US-10-289-762-641
; Sequence 641, Application US/10289762
; Publication No. US2004006218A1
; GENERAL INFORMATION:
; APPLICANT: Griffiths, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragment
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prev
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999
; CURRENT APPLICATION NUMBER: US/10/289,762
; CURRENT FILING DATE: 2003-03-27
; NUMBER OF SEQ ID NOS: 6849
; SEQ ID NO 641
; LENGTH: 210
; TYPE: PRT
; ORGANISM: Chlamydia pneumoniae
; US-10-289-762-641

Query Match          38.5%; Score 47; DB 15; Length 210;
Best Local Similarity 45.0%; Pred. No. 81;
Matches 9; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

QY      5 QIHCALLGLALAICSGA 24
DB      48 EIASATATLGLVAFCSAA 67

RESULT 38
US-09-843-164-10
; Sequence 10, Application US/09843164
; Patent No. US20020061556A1
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wang, Xiaoming
; APPLICANT: Scoville, John
; TITLE OF INVENTION: No. US20020061556A1 Human Membrane Proteins and Polynucleotide
; FILE REFERENCE: 07705.0014-00000
; CURRENT APPLICATION NUMBER: US/09/843,164
; CURRENT FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/199,950
; PRIOR FILING DATE: 2000-04-27
```

```

; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 423
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-843-164-10

```

```

Query Match          38.5%; Score 47; DB 9; Length 423;
Best Local Similarity 45.0%; Pred. No. 1.7e+02;
Matches 9; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

```

```

QY      3 VSQIHGALALLGLALAIQSQ 22
DB      142 LSNVGCALSVTGLALTIVIFQ 161

```

# RESULT 39

```

US-10-394-962-10
; Sequence 10, Application US/10394962
; Publication No. US20030219868A1
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wang, Xiaoming
; APPLICANT: Scoville, John
; TITLE OF INVENTION: No. US20030219868A1e1 Human Membrane Proteins and Polynucleotides
; FILE REFERENCE: 07705.0014-00000
; CURRENT APPLICATION NUMBER: US/10/394,962
; PRIOR FILING DATE: 2003-03-21
; PRIOR APPLICATION NUMBER: US 60/199,950
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 423
; TYPE: PRT
; ORGANISM: homo sapiens
US-10-394-962-10

```

```

Query Match          38.5%; Score 47; DB 15; Length 423;
Best Local Similarity 45.0%; Pred. No. 1.7e+02;
Matches 9; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

```

```

QY      3 VSQIHGALALLGLALAIQSQ 22
DB      142 LSNVGCALSVTGLALTIVIFQ 161

```

# RESULT 40

```

US-09-934-455-472
; Sequence 472, Application US/09934455
; Publication No. US20030121070A1
; GENERAL INFORMATION:
; APPLICANT: Adam, Luc
; APPLICANT: Creelman, Robert
; APPLICANT: Dubell, Arnold
; APPLICANT: Heard, Jacqueline
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Keddle, James
; APPLICANT: Pilgrim, Marsha
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Reuber, Lynne
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Pineda, Omaira
; TITLE OF INVENTION: Genes for Modifying Plant Traits IV
; FILE REFERENCE: MBI-0025
; CURRENT APPLICATION NUMBER: US/09/934,455
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227439
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: MBI-0022
; PRIOR FILING DATE: 2001-11-16

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; PRIOR APPLICATION NUMBER: MBI-0023

```

```

; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 516
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 472
; LENGTH: 472
; TYPE: PRT
; ORGANISM: Arabidopsis thaliana
US-09-934-455-472

```

```

Query Match          38.5%; Score 47; DB 10; Length 472;
Best Local Similarity 40.9%; Pred. No. 1.9e+02;
Matches 9; Conservative 7; Mismatches 6; Indels 0; Gaps 0;

```

```

QY      4 SQIHGALALLGLALAIQSQGA 25
DB      193 AQIHAAVSVAAGVAAVAATAAA 214

```

Search completed: May 6, 2004, 17:05:57  
Job time : 15.8069 secs